

In Vitro Cellular Uptake of ^{99m}Tc -EC-Angiostatin in Breast Cancer Cells

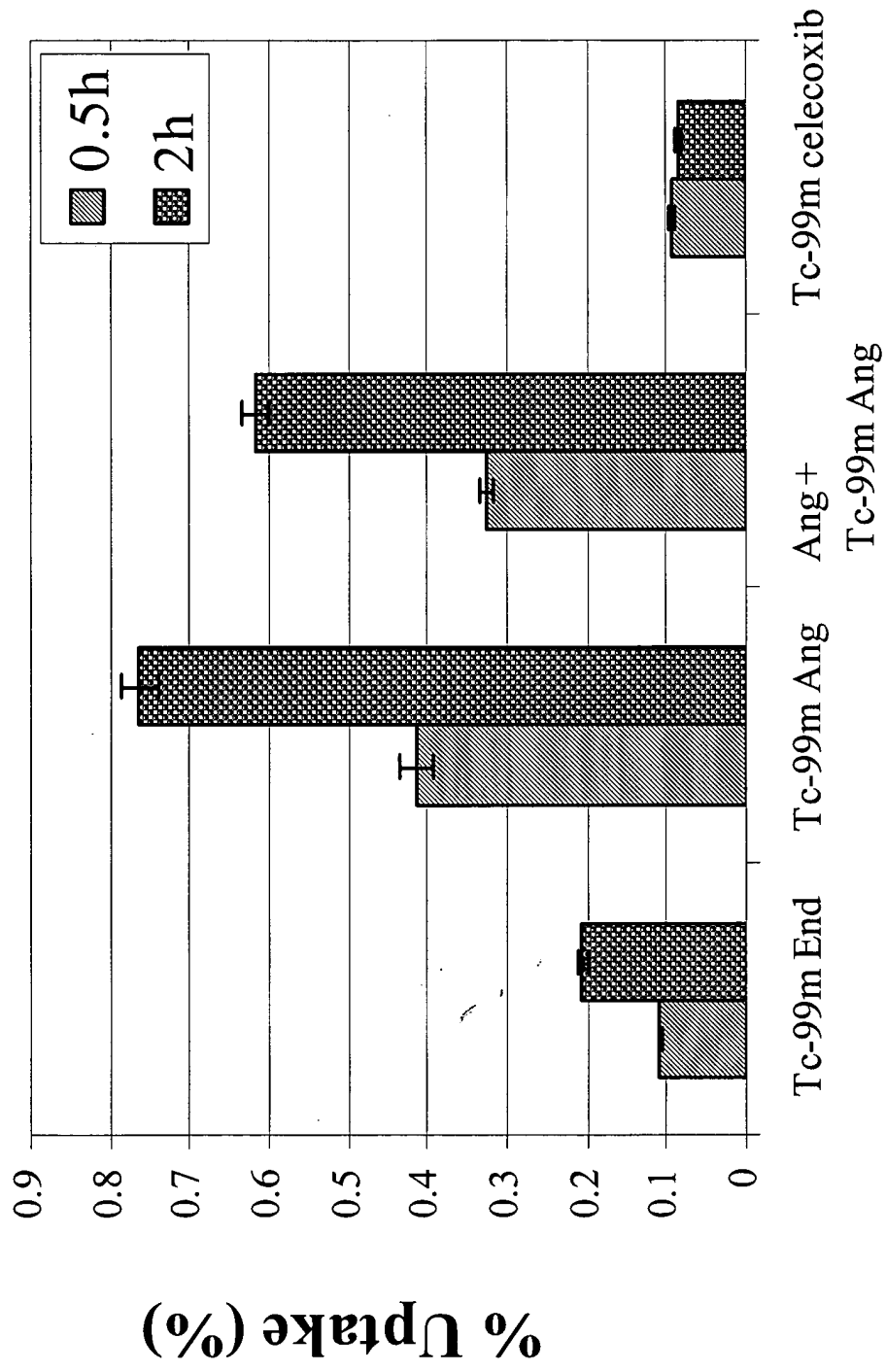


FIG. 1

In Vitro Blocking Study of $^{99\text{m}}\text{Tc}$ -EC-Angiostatin Cellular Uptake In Breast Cancer Cells

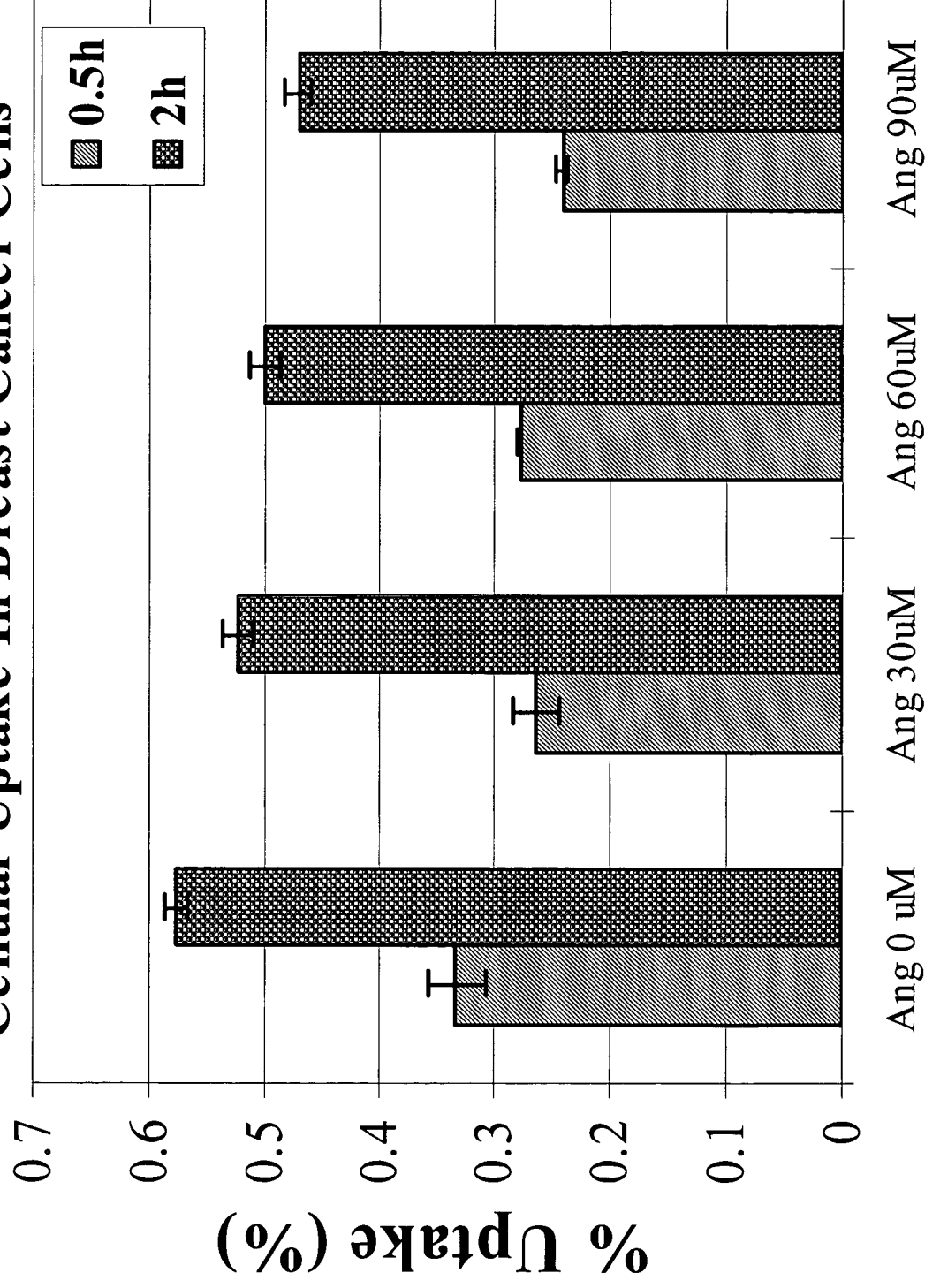


FIG. 2

**Percent Inhibition of ^{99m}Tc -EC-Angiostatin
in Breast Cancer Cells by Angiostatin at 2 hours**

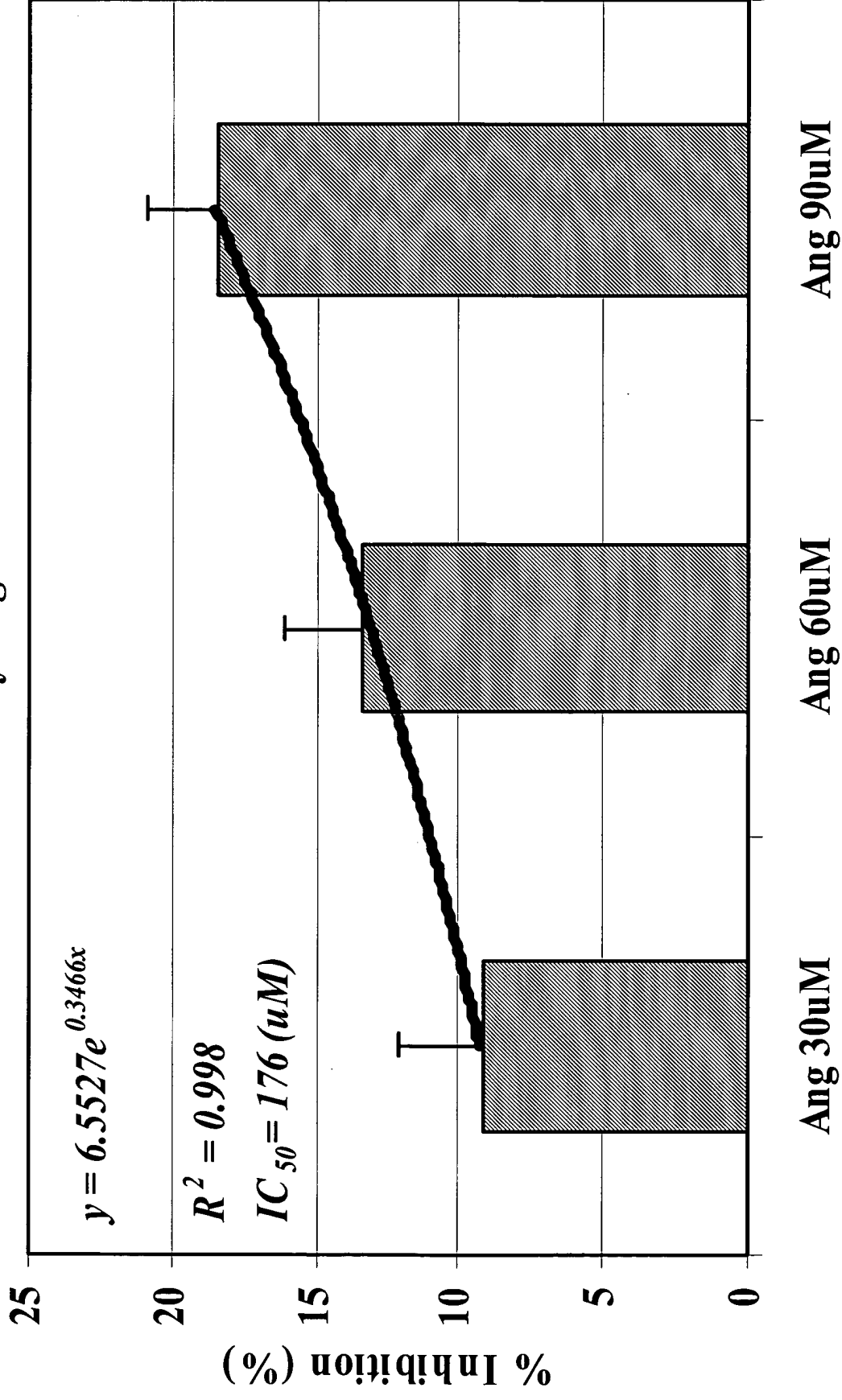


FIG. 3

Tumor Uptake of ^{99m}Tc -EC-Anti-Angiogenic Agents in Breast Tumor-Bearing Rats

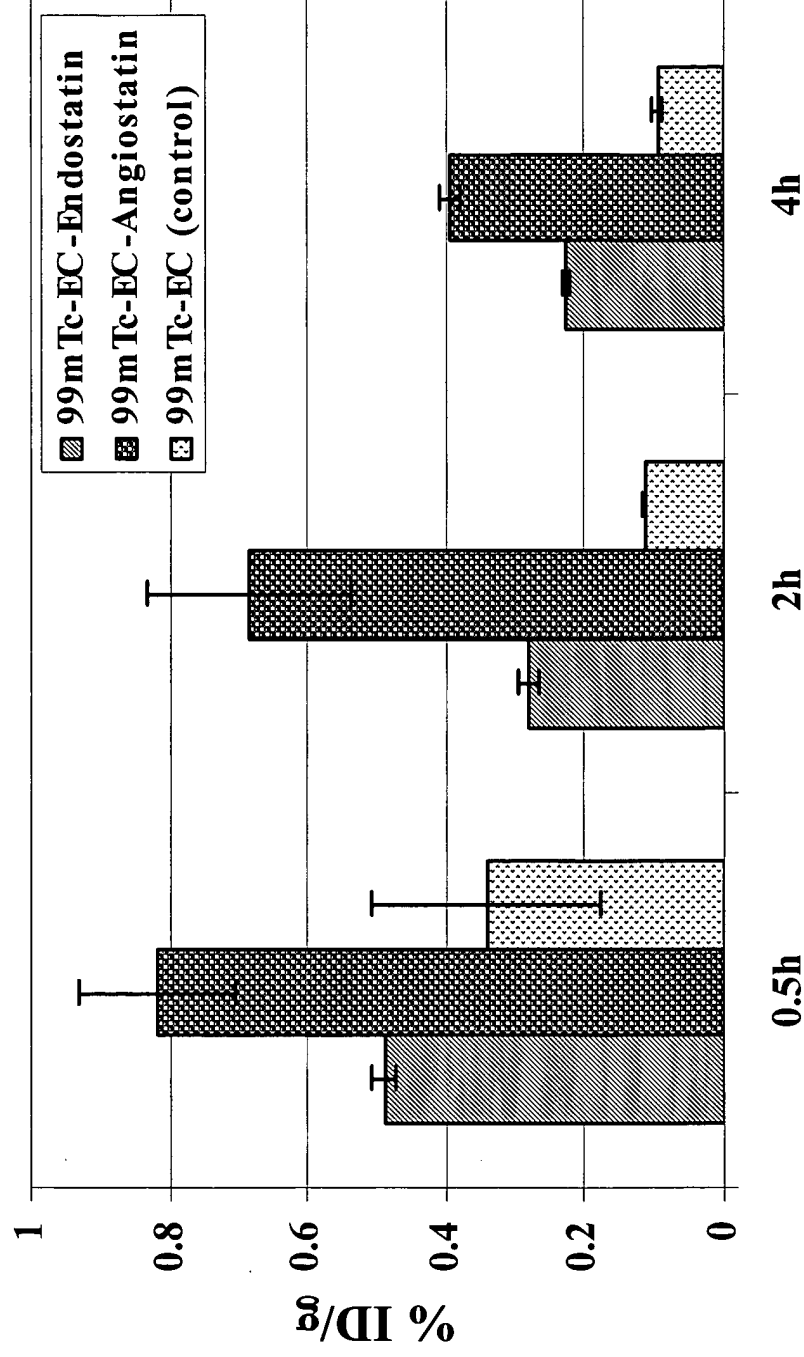


FIG. 4

Tumor-to-Muscle Count Density Ratios of ^{99m}Tc-EC-Anti-Angiogenic Agents

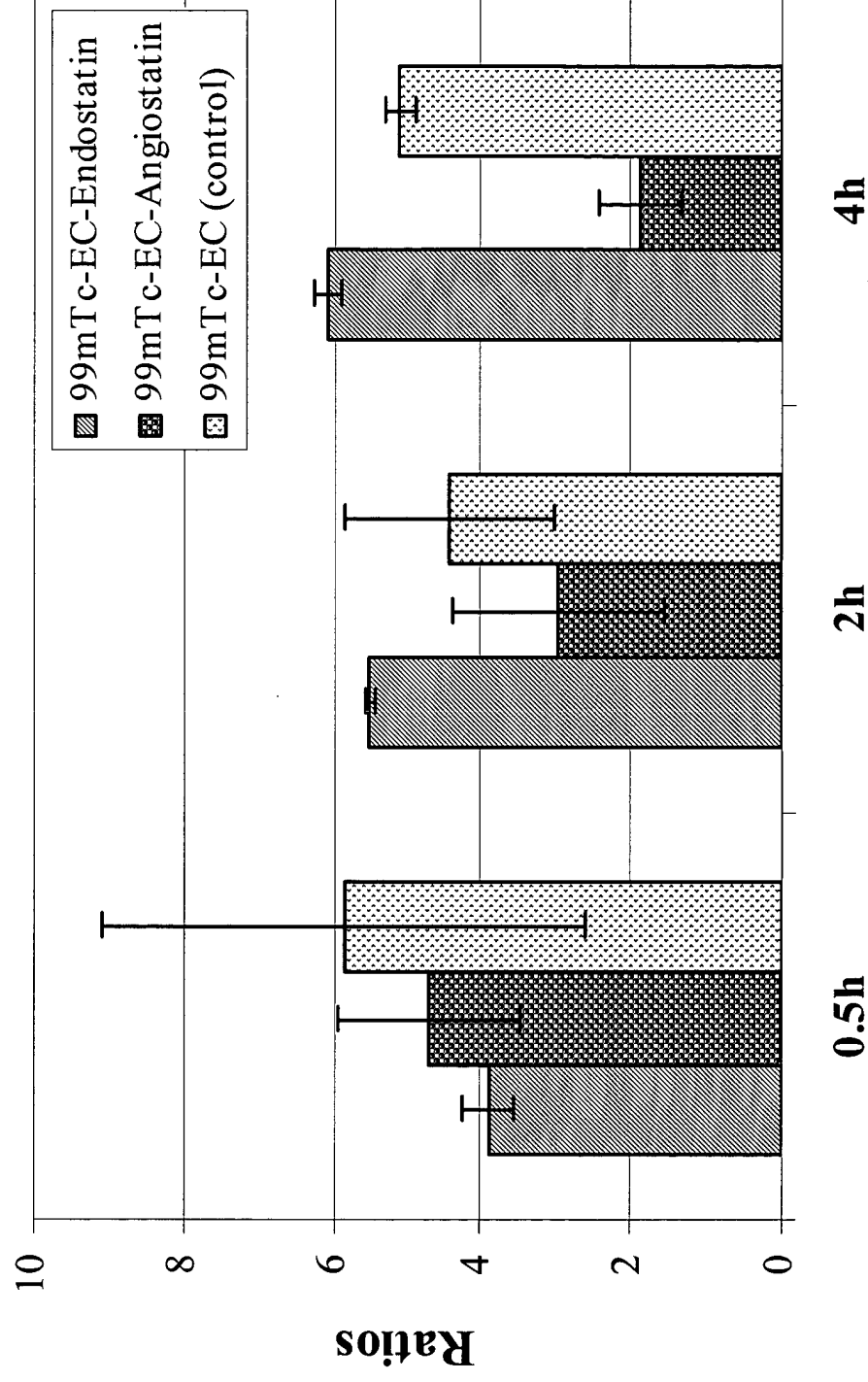


FIG. 5

^{99m}Tc -EC-Angiostatin Images

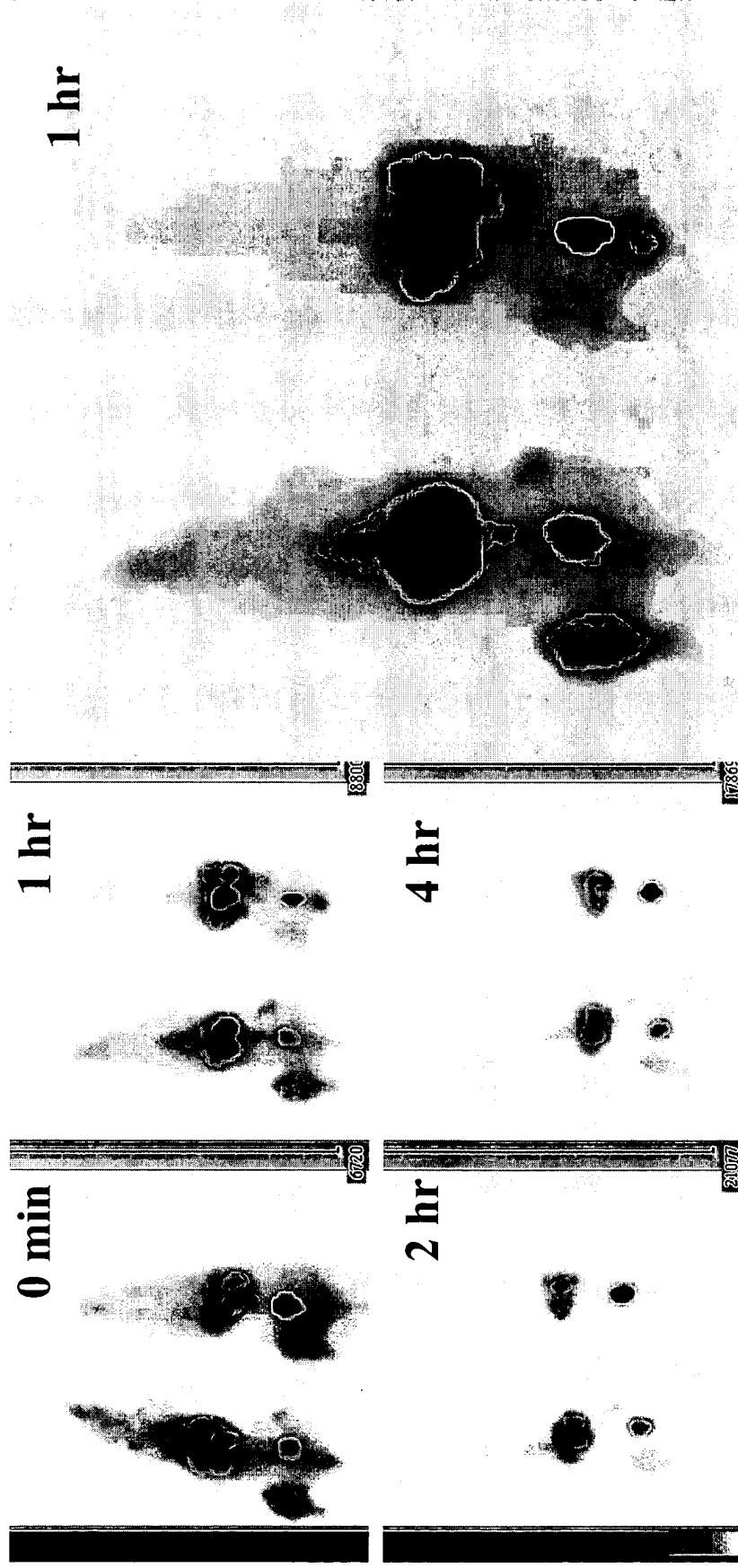


FIG. 6

HPLC Chromatogram of ^{99m}Tc -EC-C225

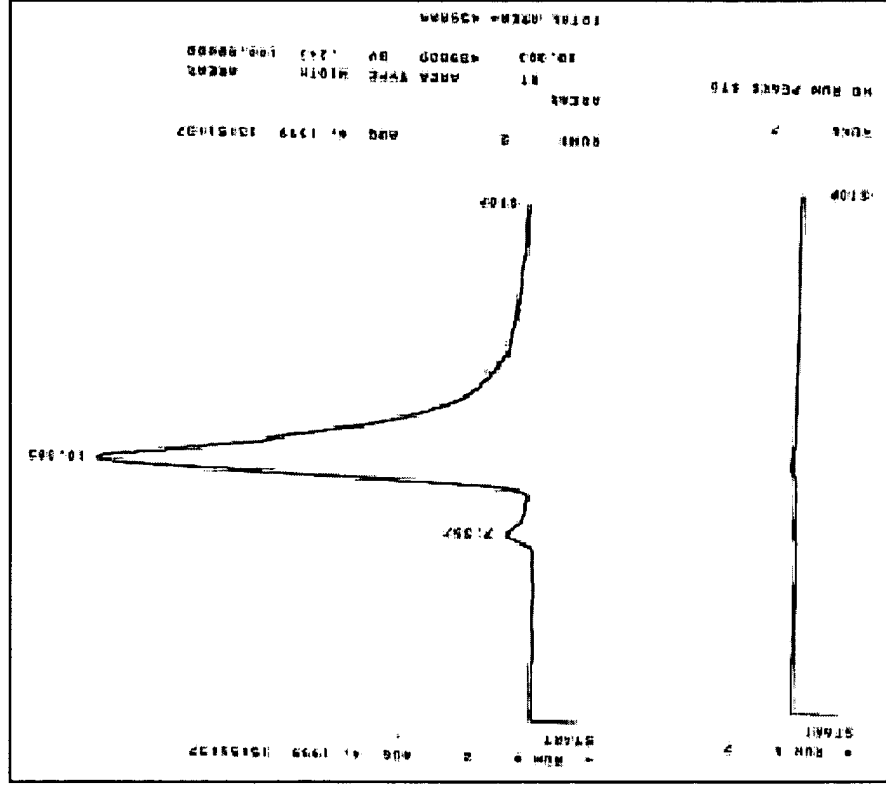


FIG. 7

In Vitro Comparison of EC-C225 and C225

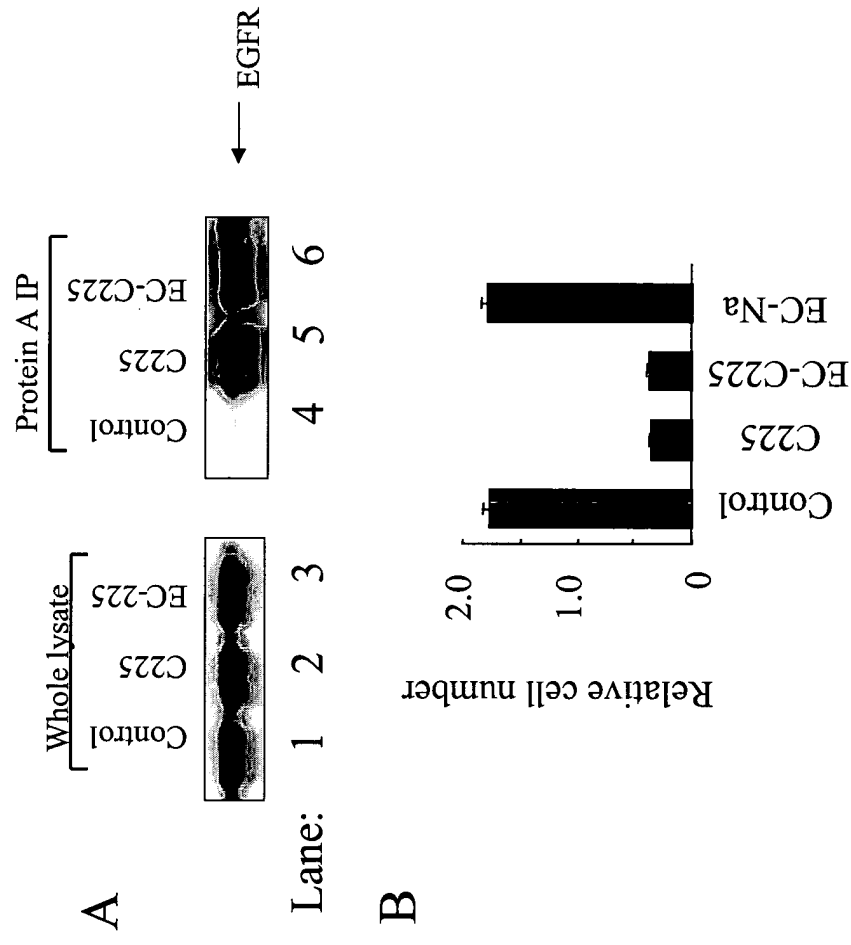


FIG. 8

Uptake of ^{99m}Tc -EC-C225 in A431 Tumor-Bearing Nude Mice

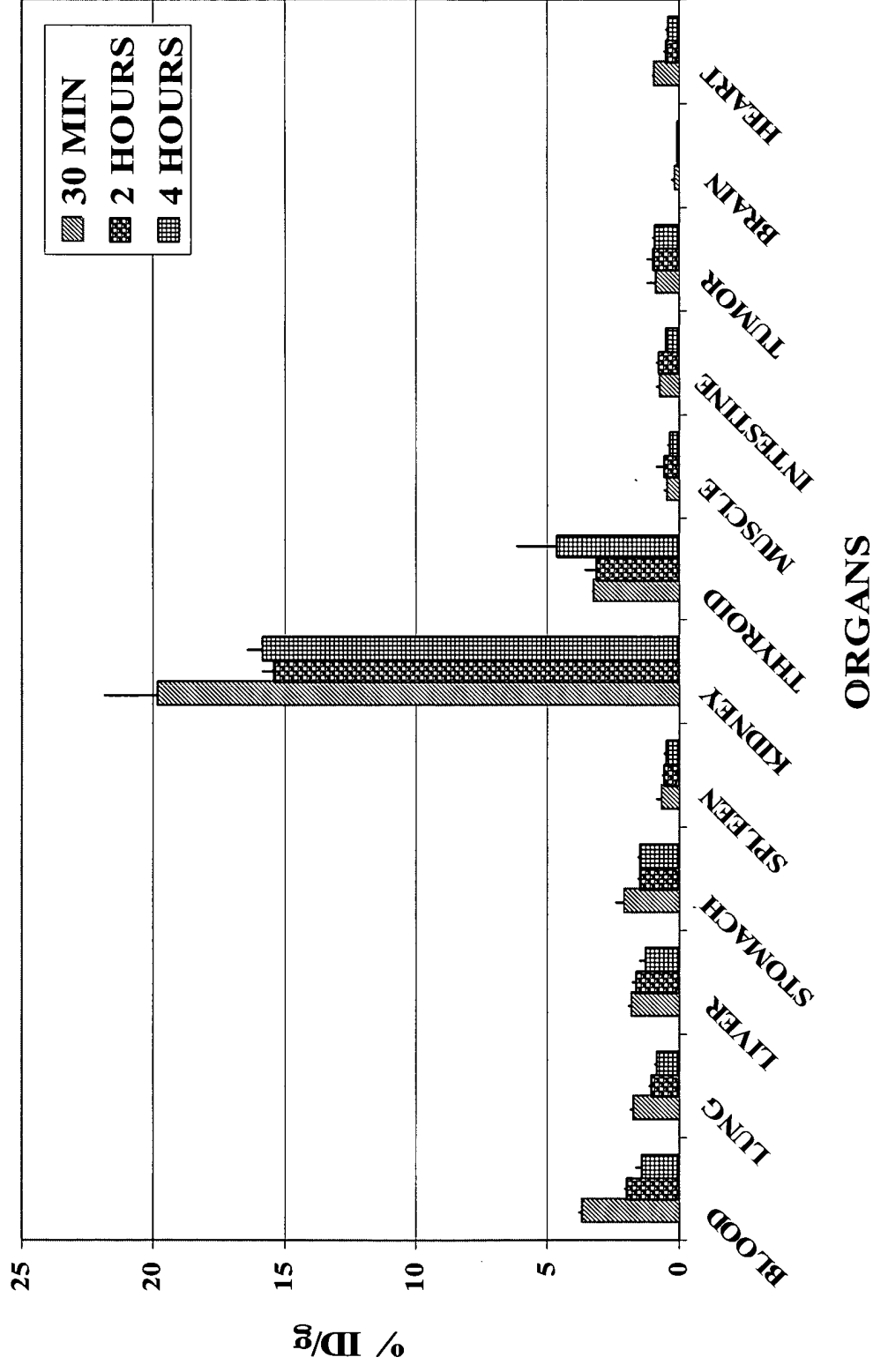


FIG. 9

Tumor-to-tissue Count Density Ratios of ^{99m}Tc -EC-C225 in A431 Tumor-Bearing Nude Mice

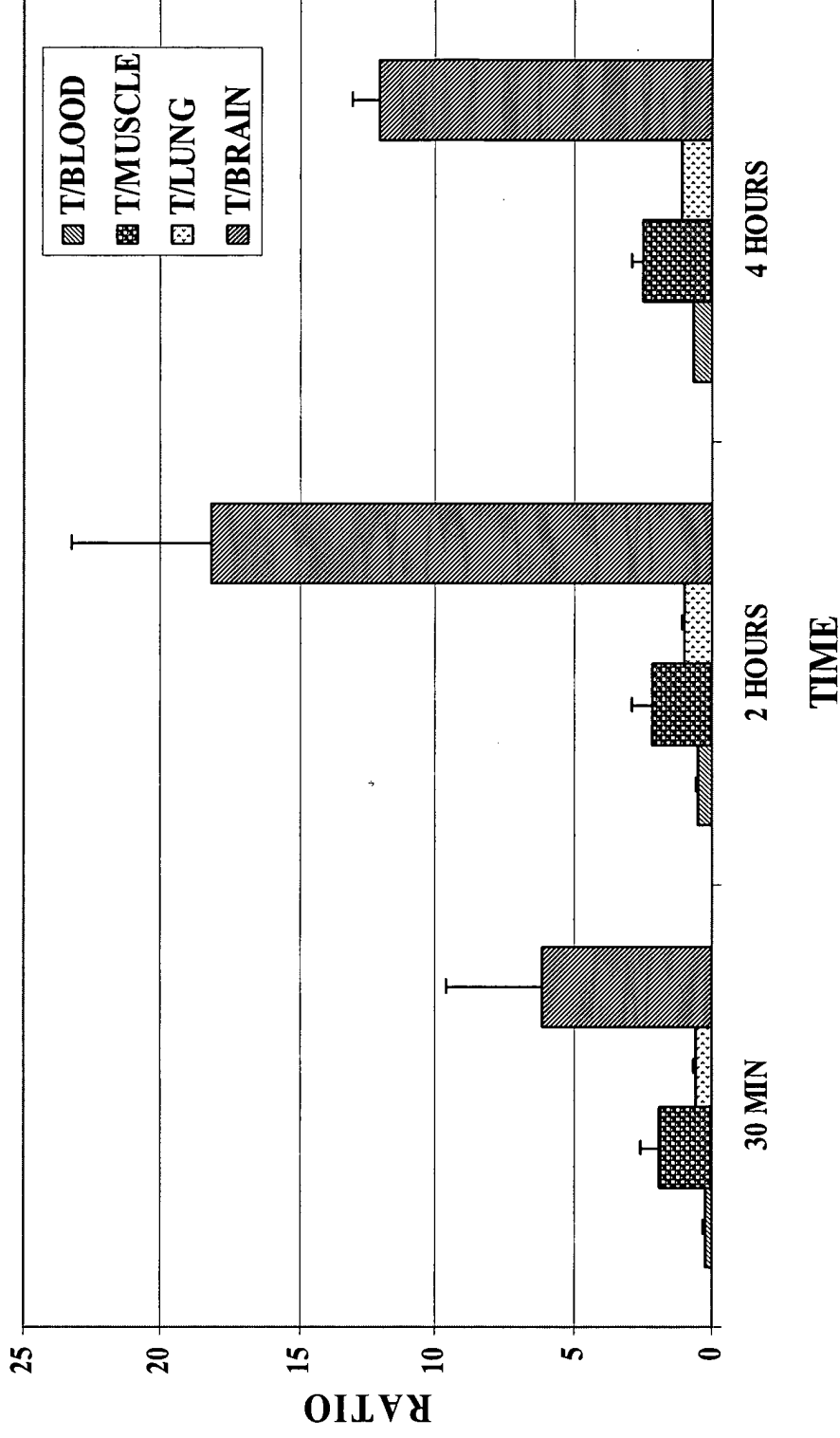
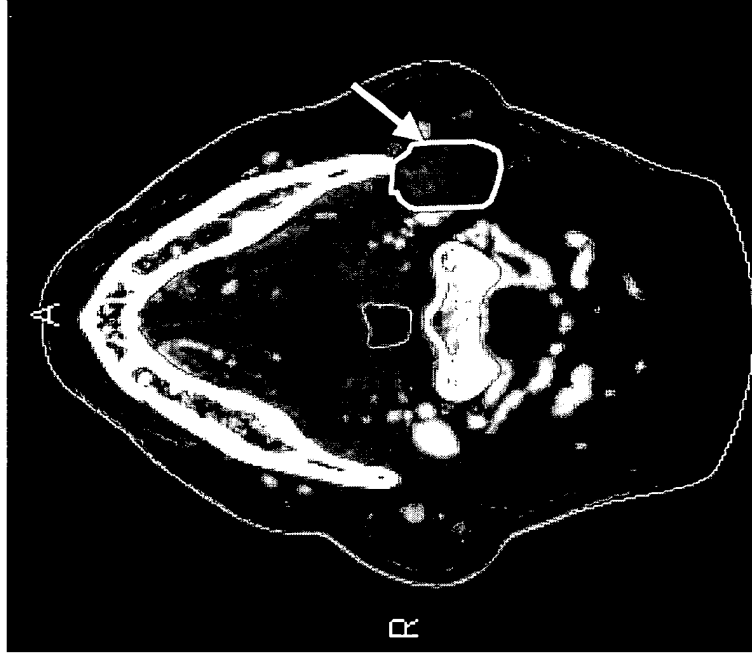
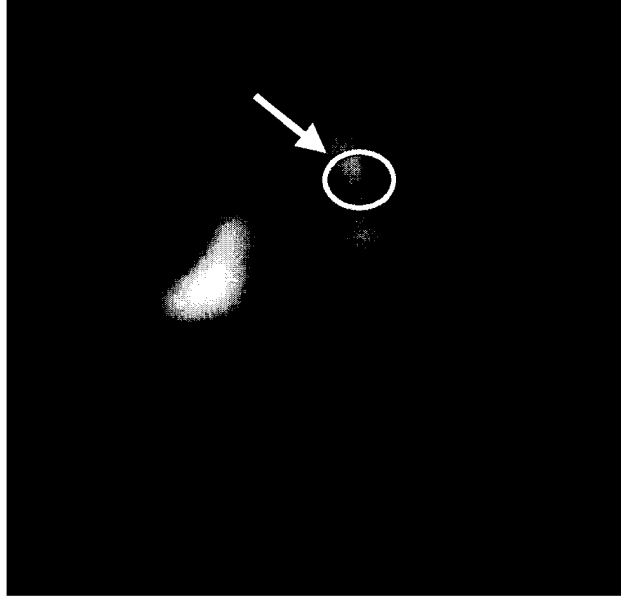


FIG. 10

**^{99m}Tc -EC-C225 Scan for Head&Neck Cancer:
L Jugulodigastric Lymph Node**



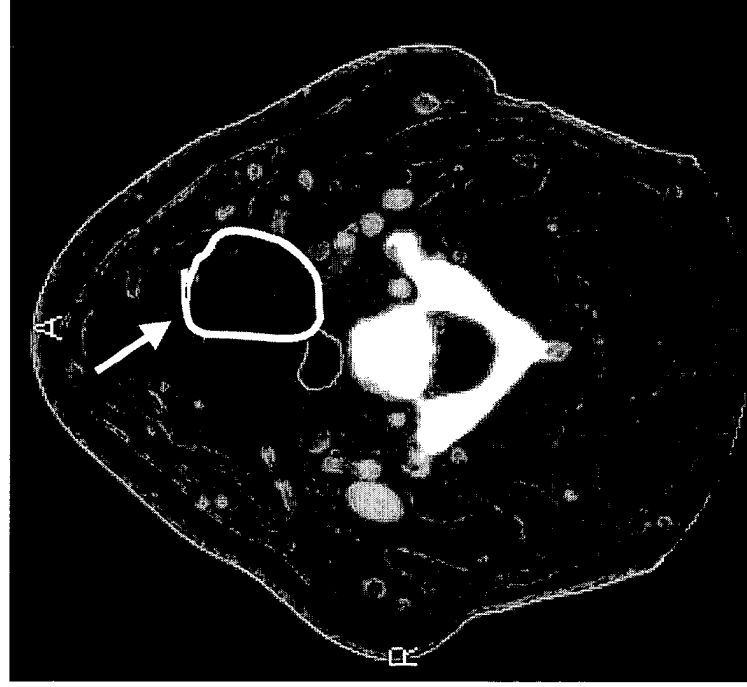
CT: Transverse (15°)



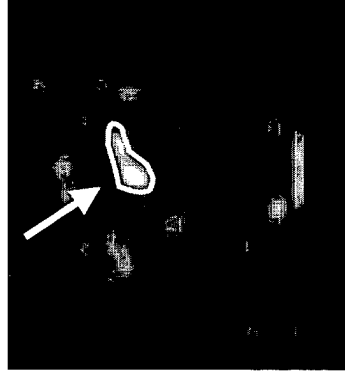
C225 Scan: Transverse (0°)

FIG. 11

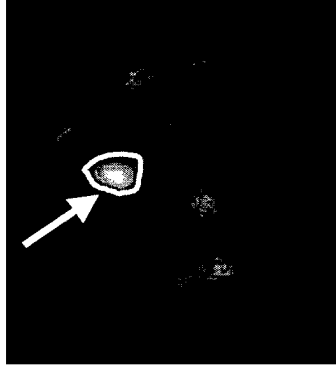
**$^{99m}\text{Tc-EC-C225}$ Scan for Head&Neck Cancer:
L Base of Tongue & Floor of Mouth**



CT: Transverse (15°)



C225 Scan: Coronal



C225 Scan: Transverse (0°)

FIG. 12

Synthesis of EC-celecoxib

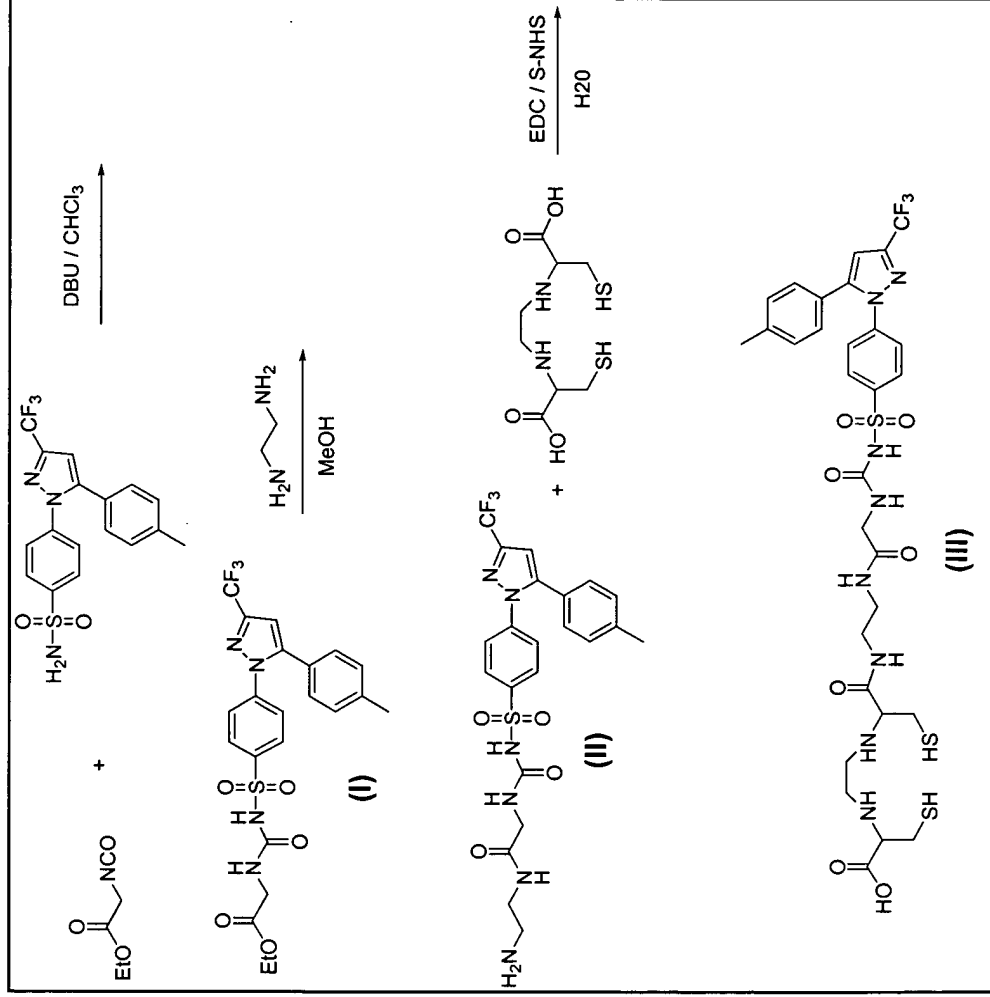


FIG. 13

NMR Spectra Data of EC-celecoxib-Ester

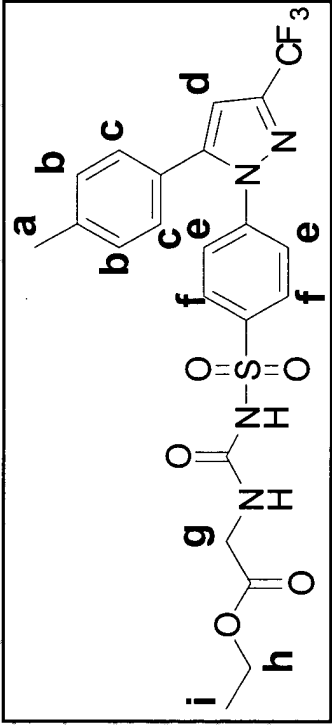
		
	Observed (ppm)	
7.86 (2H, d, J=8.6Hz)	f	
7.33 (2H, d, J=8.6Hz)	e	
7.03 (2H, d, J=8.2Hz)	c	
6.98 (2H, d, J=8.2Hz)	b	
6.62 (1H, s)	d	
4.41 (2H, s)	g	
4.01 (2H, q, J=7.1Hz)	h	
2.22 (3H, s)	a	
1.11 (3H, t, J=7.1Hz)	i	

FIG. 14

NMR Spectra Data of EC-celecoxib

	Observed (ppm)	
7.83 (2H, d, J=8.6Hz)	f	
7.27 (2H, d, J=8.6Hz)	e	
7.03-7.09 (4H, m)	c,b	
6.68 (1H, s)	d	
3.56 (2H, br)	g	
3.38 (2H, br)	h	
2.94 (2H, br)	i	
2.26 (3H, s)	a	

FIG. 15

In Vitro Cellular Uptake of ^{99m}Tc -EC-Agents in Breast Cancer Cells

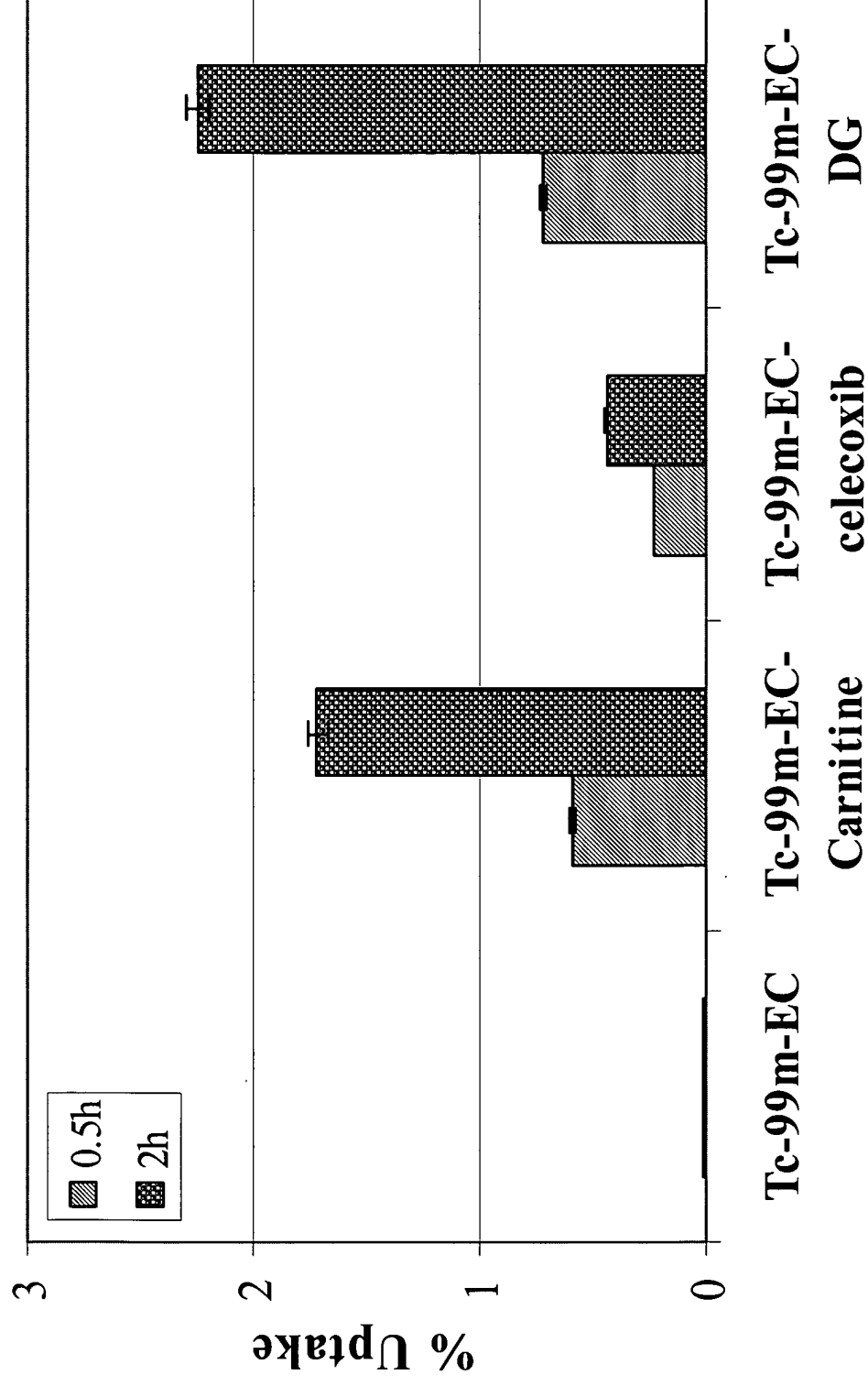


FIG. 16

Scintigraphic Images of ^{99m}Tc -EC-celecoxib

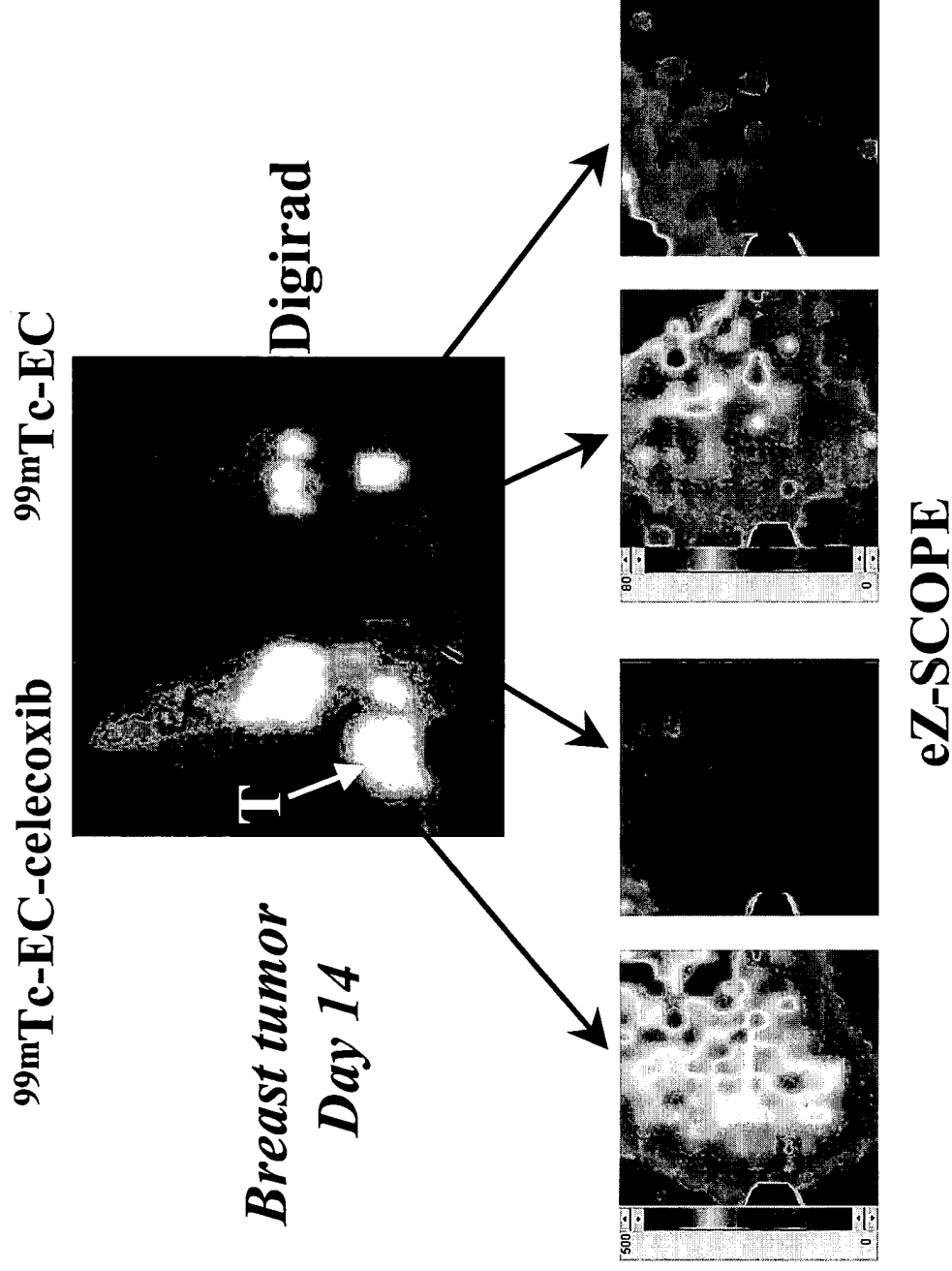


FIG. 17

EC-Thalidomide

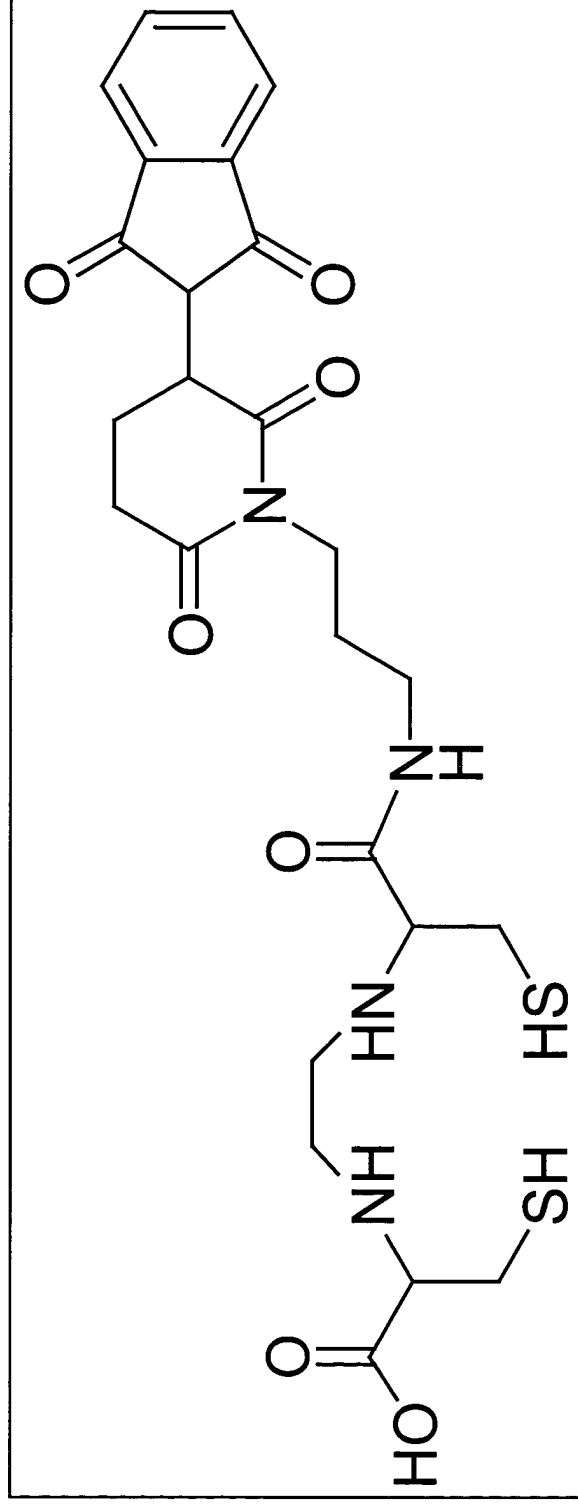


FIG. 18

EC-Quinazoline

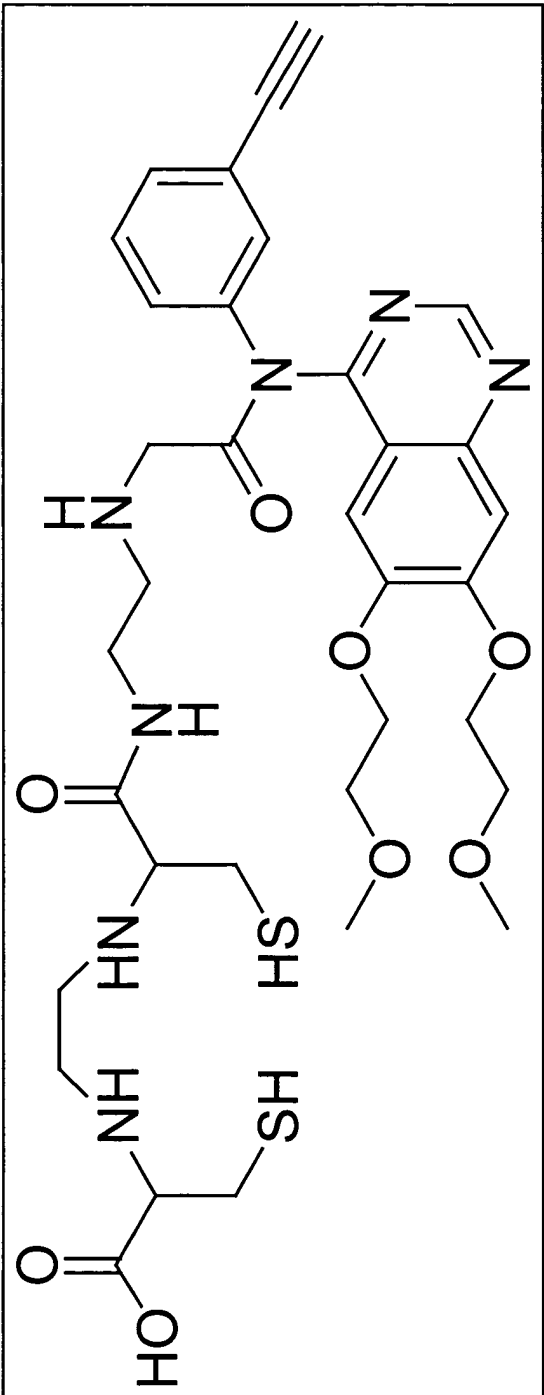


FIG. 19

Synthesis of Aminopenciclovir

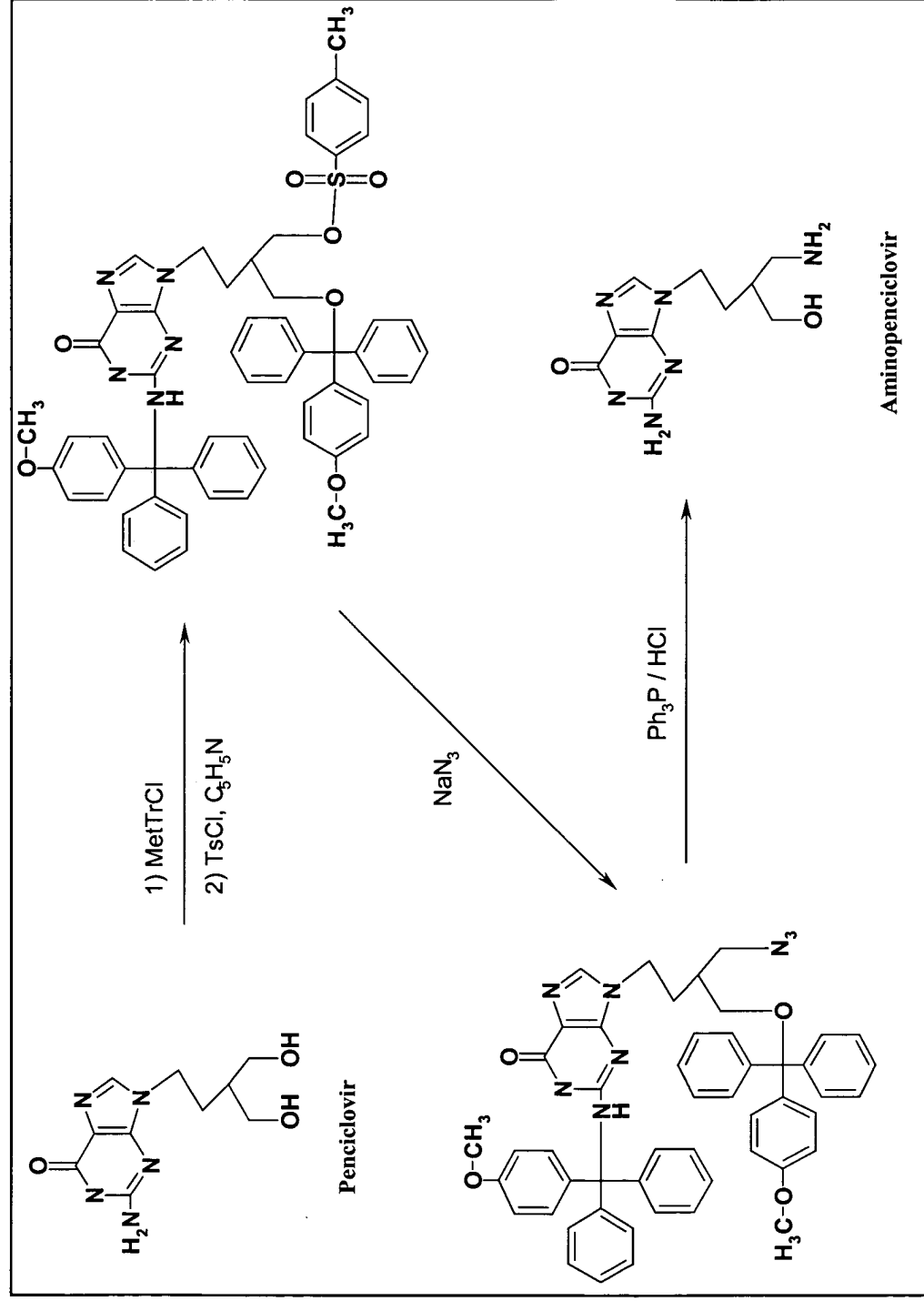


FIG. 20

Synthesis of EC-Penciclovir

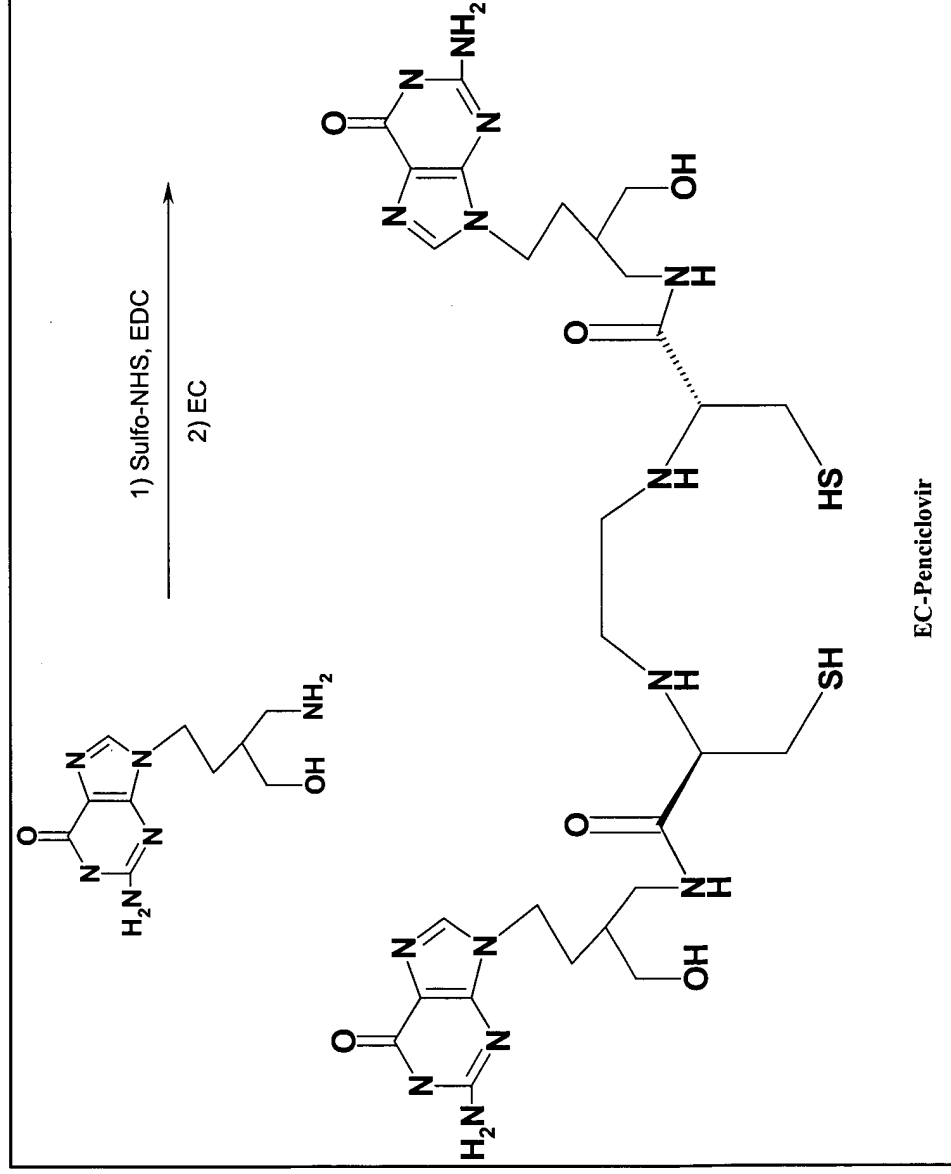


FIG. 21

In Vitro Cellular Uptake of ^{99m}Tc -EC-Penciclovir in Human Cancer Cell Lines

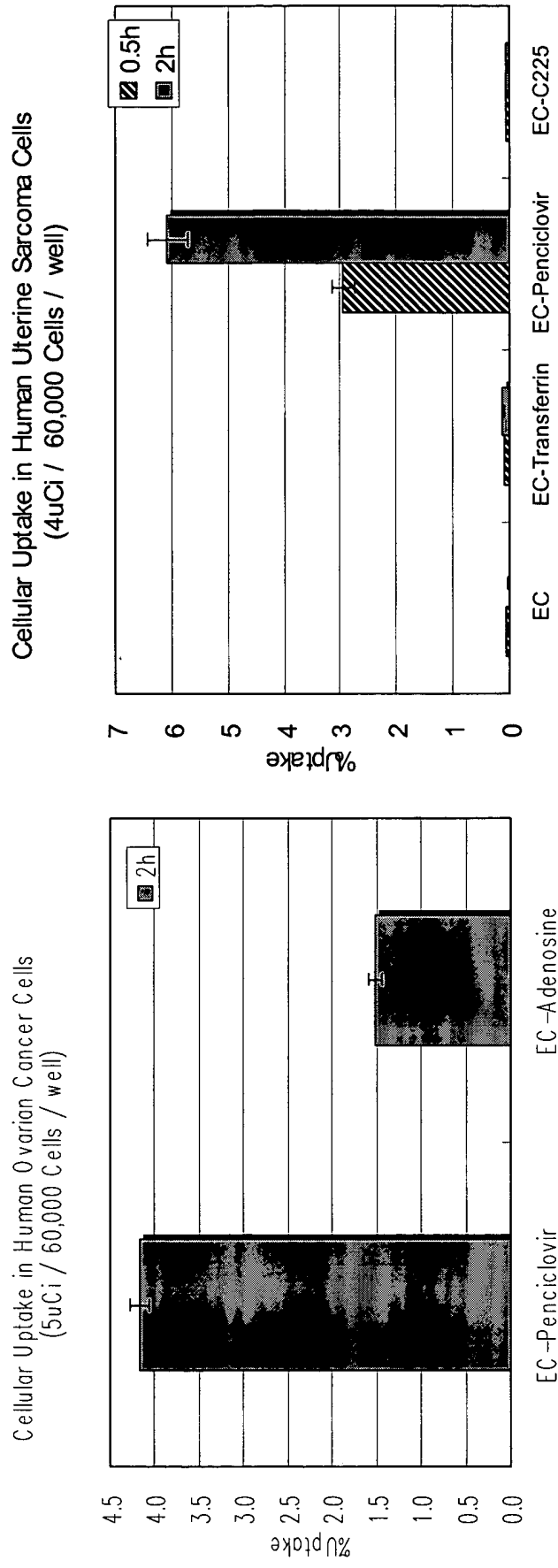


FIG. 22

Scintigraphic Images of ^{99m}Tc -EC-Penciclovir

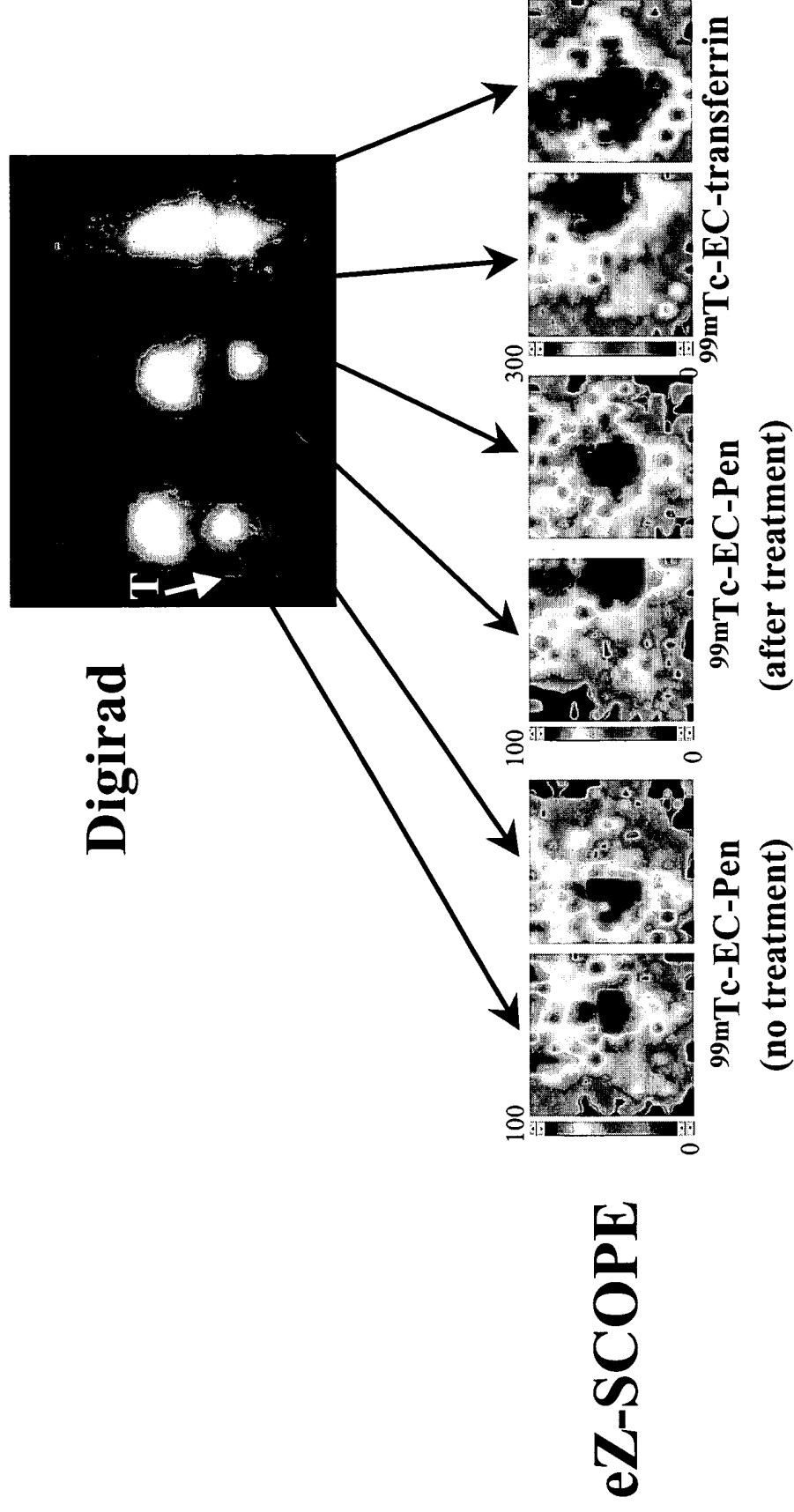


FIG. 23

Autoradiogram of ^{99m}Tc -EC-Penciclovir

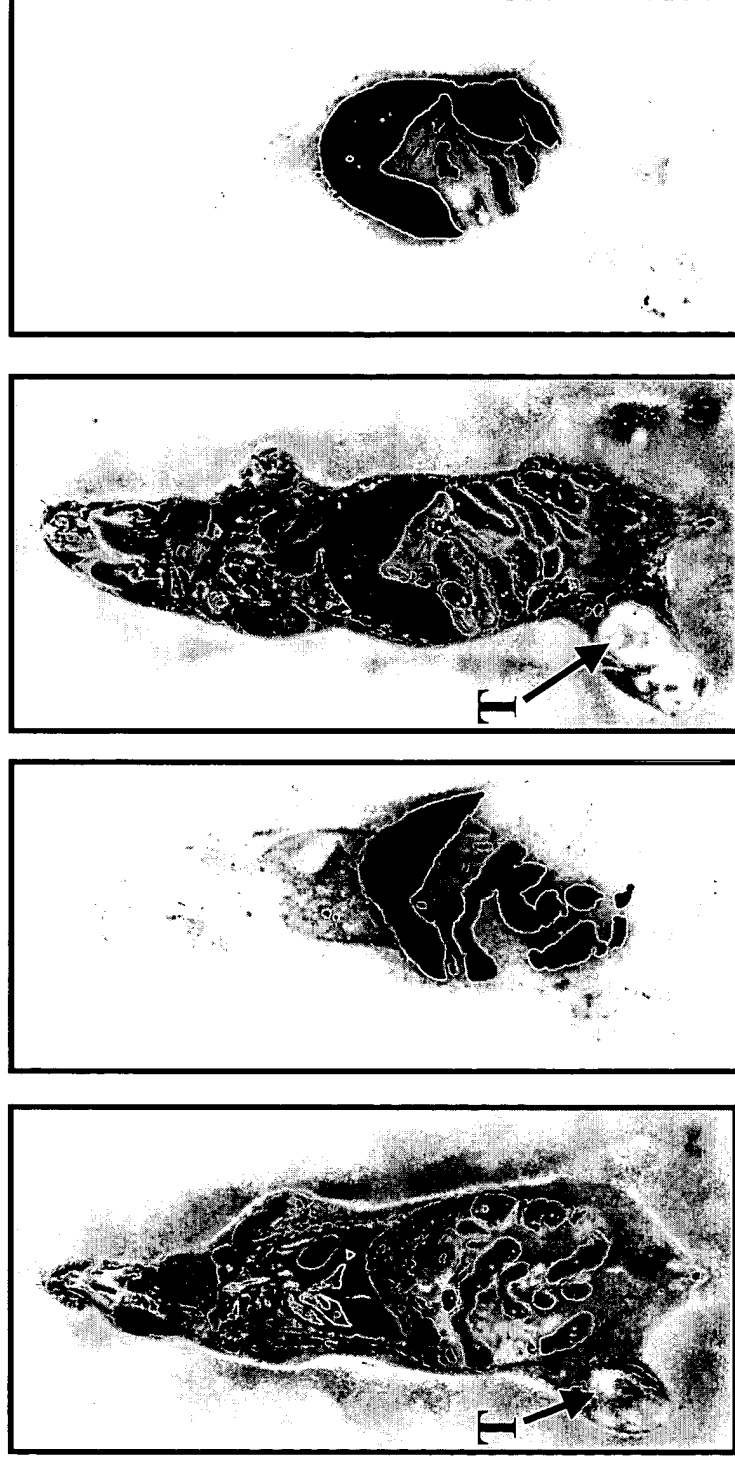


FIG. 24

EC-Deoxycytidine

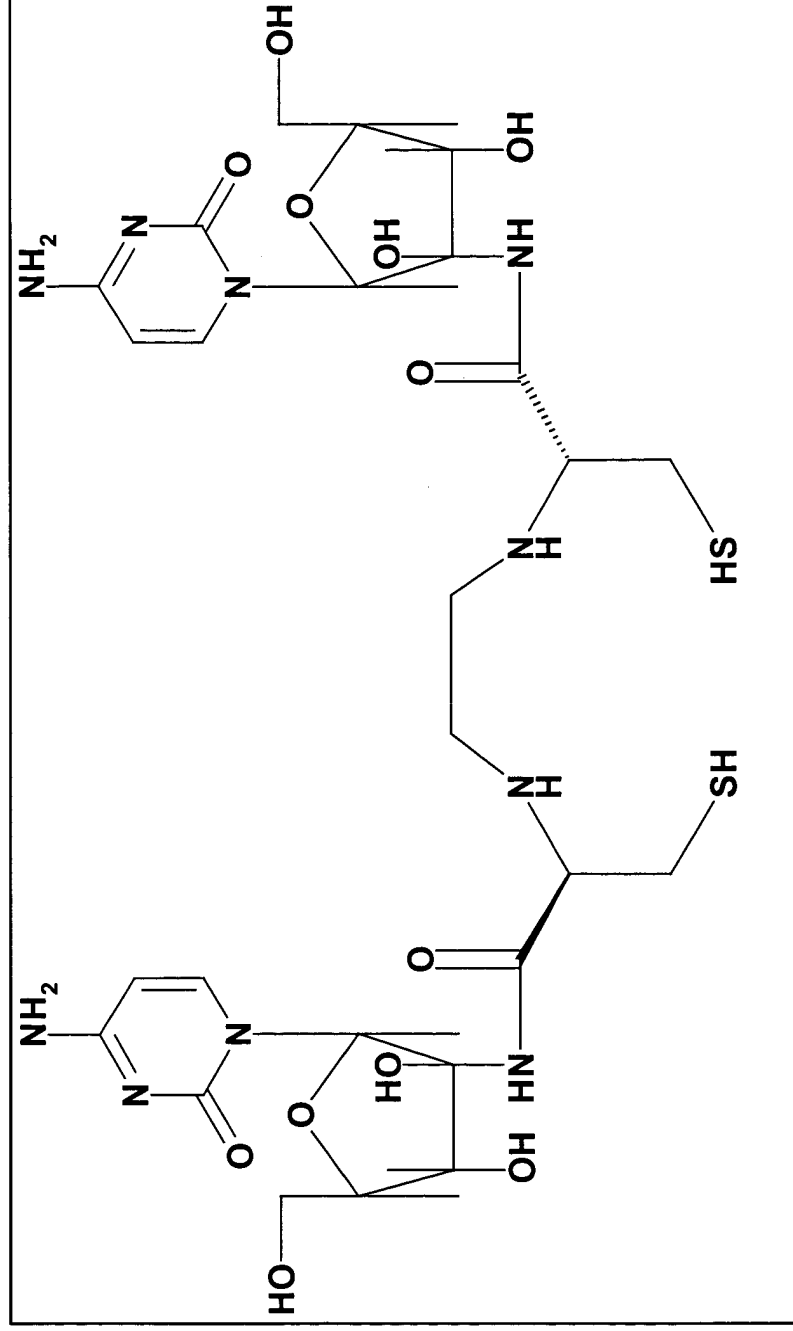


FIG. 25

EC-Capecitabine

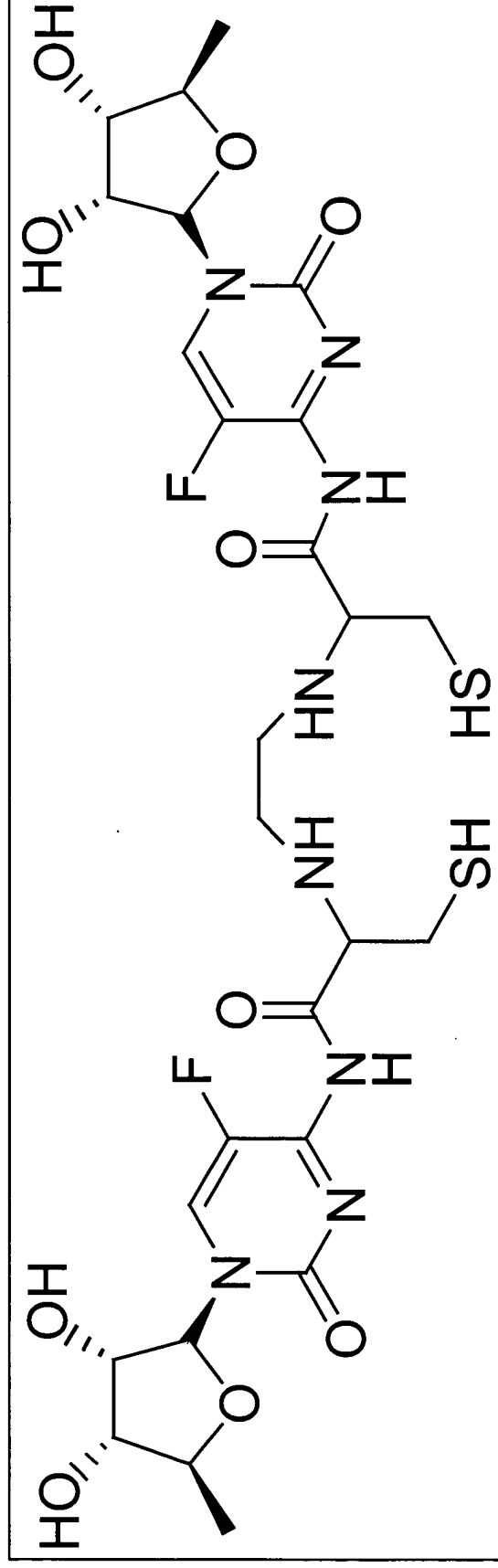


FIG. 26

Synthesis of EC-Adenosine

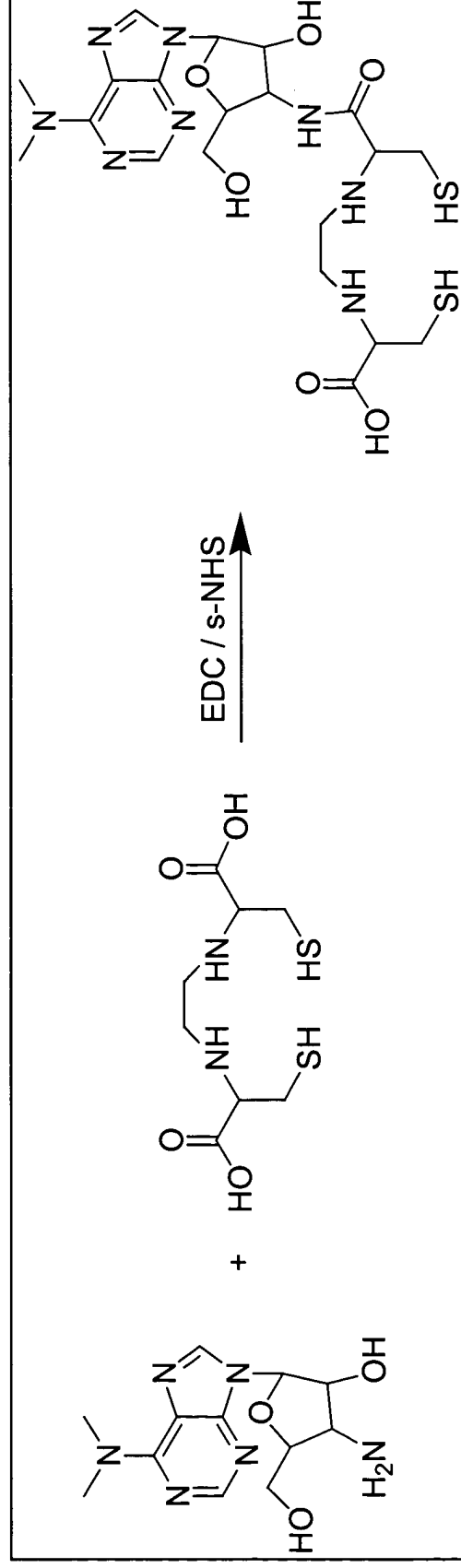


FIG. 27

Autoradiogram of ^{99m}Tc -EC-Adenosine

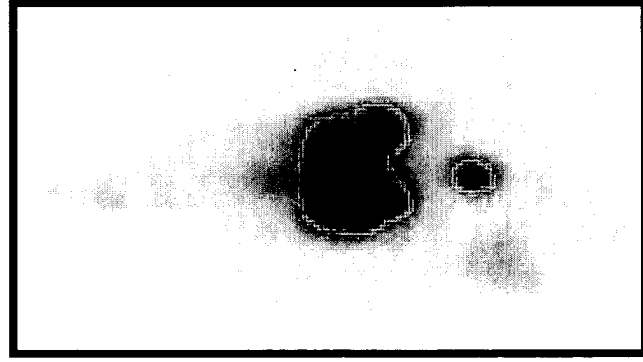


FIG. 28

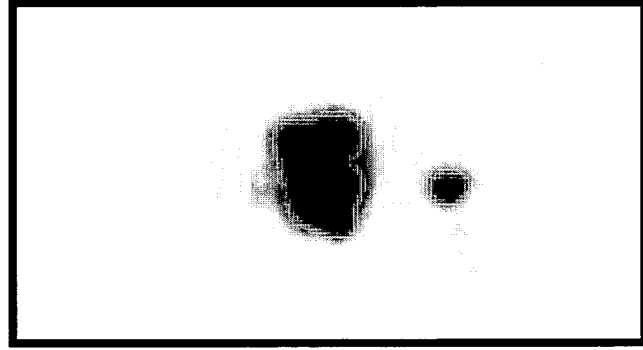
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Scintigraphic Images of $^{99m}\text{Tc-EC-LHRH}$

$^{99m}\text{Tc-EC}$

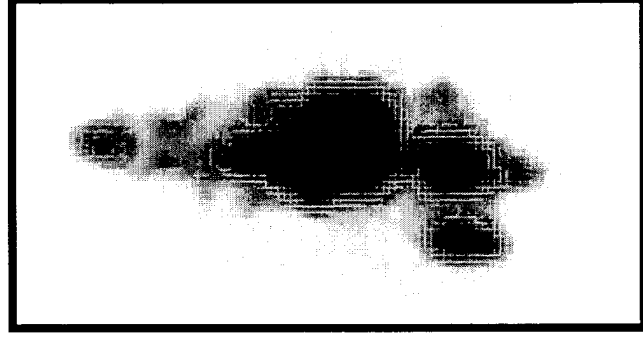


0.5

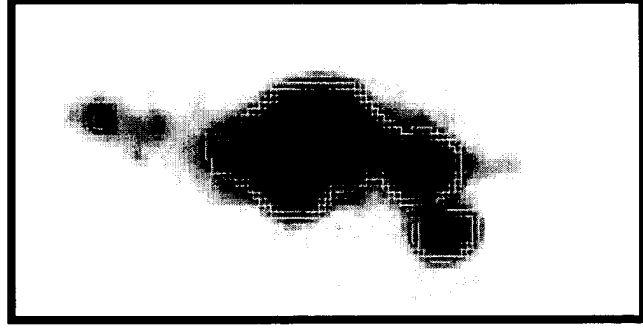


2hrs

$^{99m}\text{Tc-EC-LHRH}$



0.5



2hrs

FIG. 29

BEST AVAILABLE COPY

In Vitro Cellular Uptake of ^{99m}Tc -EC-Agents In Human Ovarian Cancer Cells at 2 Hours

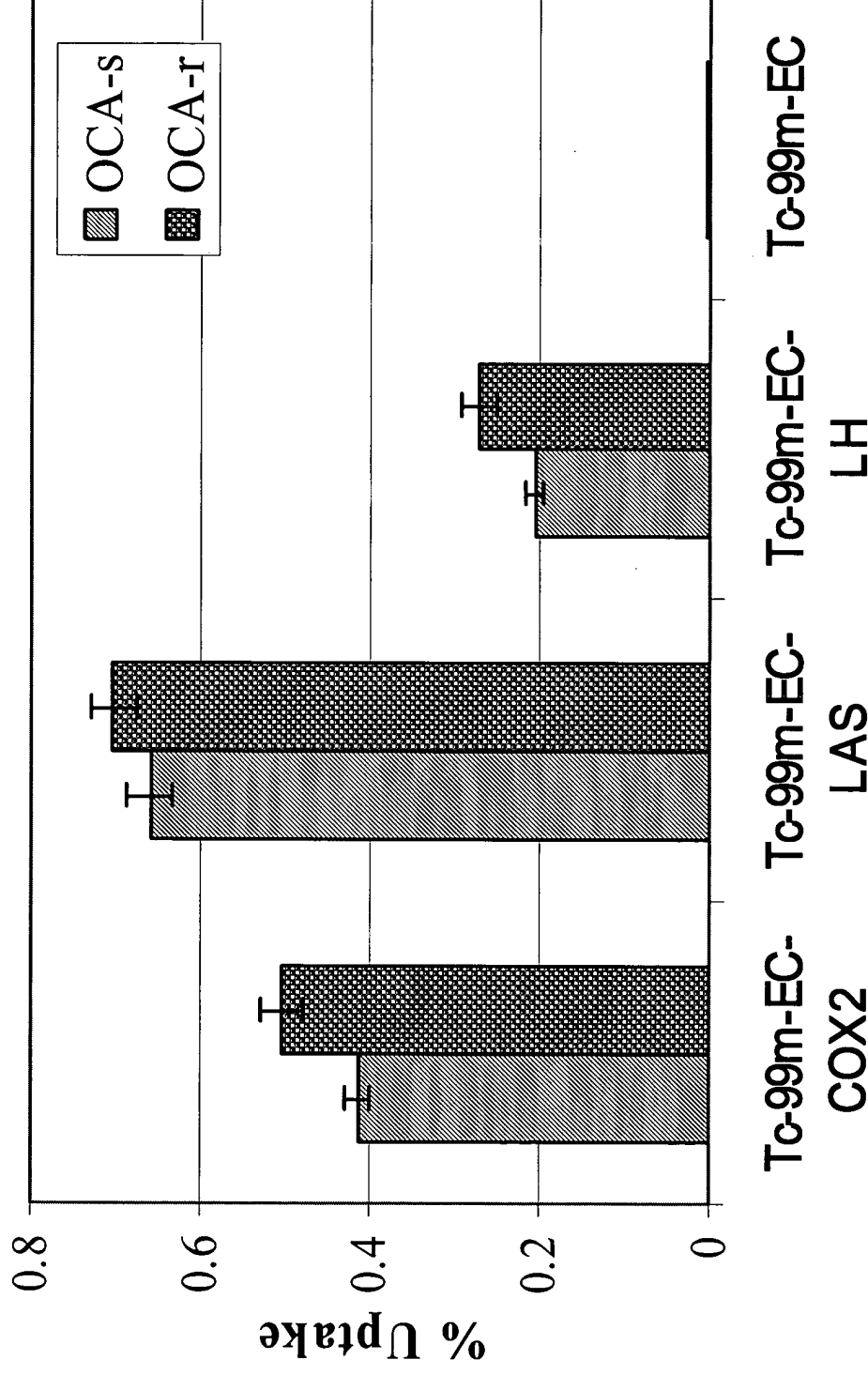


FIG. 30

Scintigraphic Images of $^{99m}\text{Tc-EC-LH}$

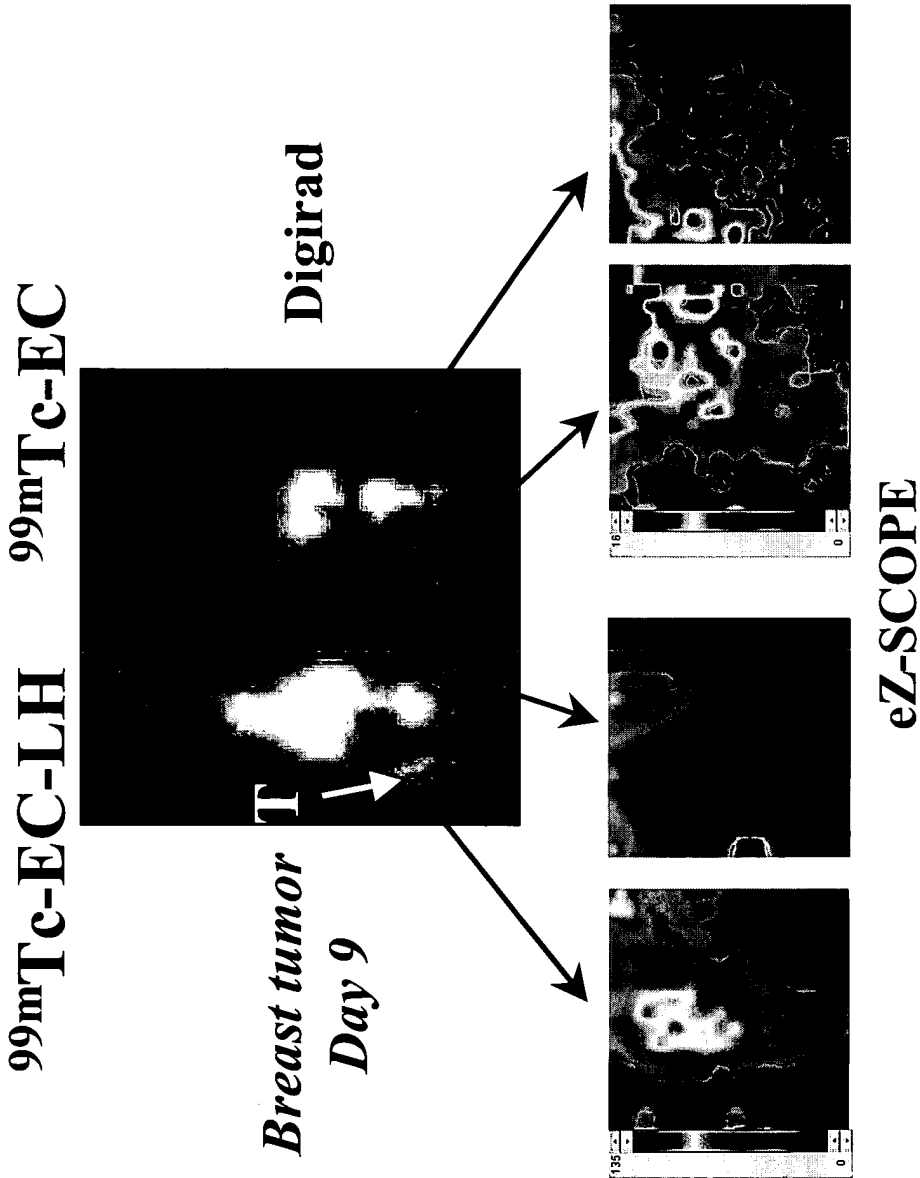


FIG. 31

Autoradiogram of ^{99m}Tc -EC-Transferrin

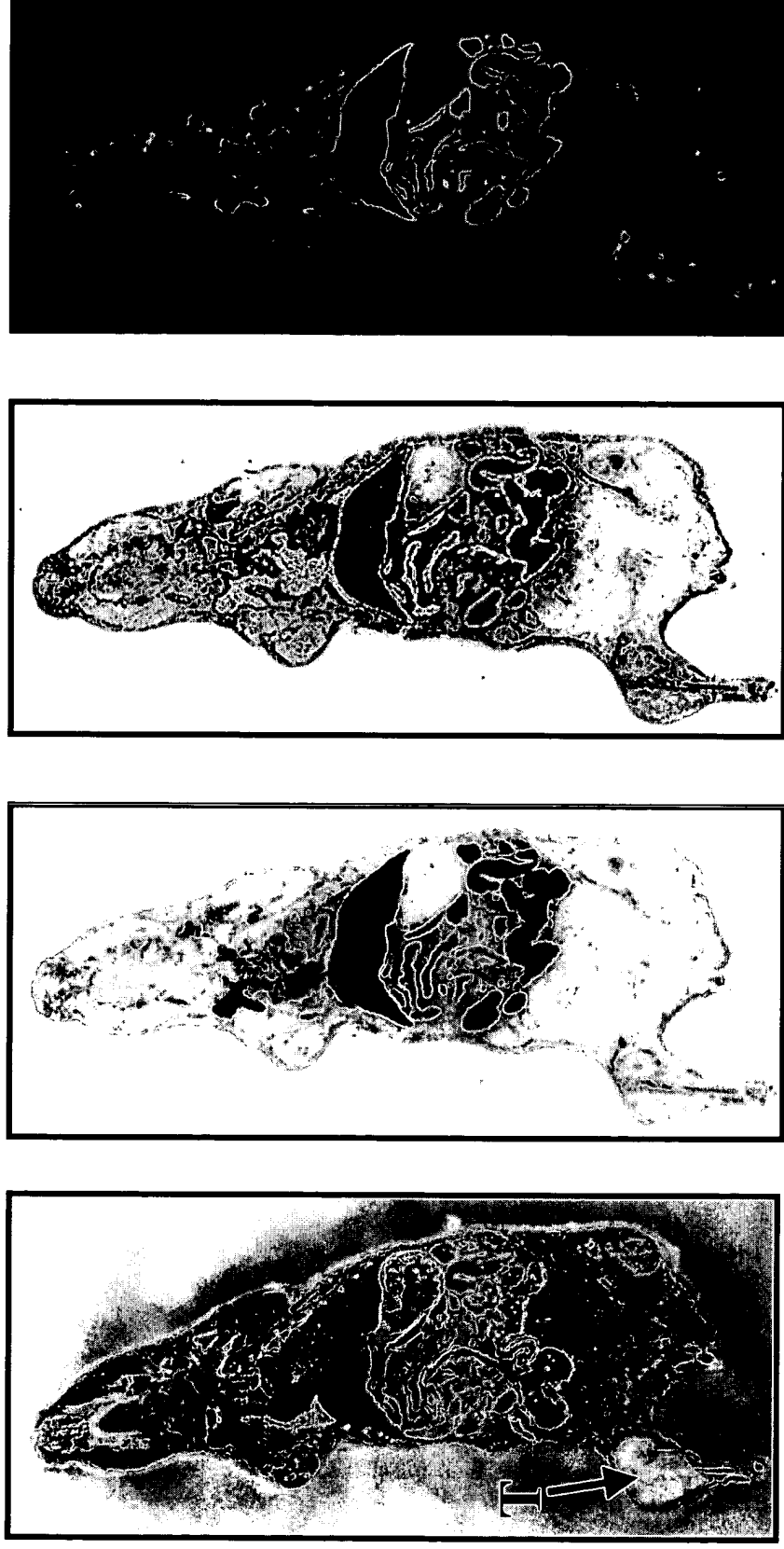


FIG. 32

Synthesis of EC-TML

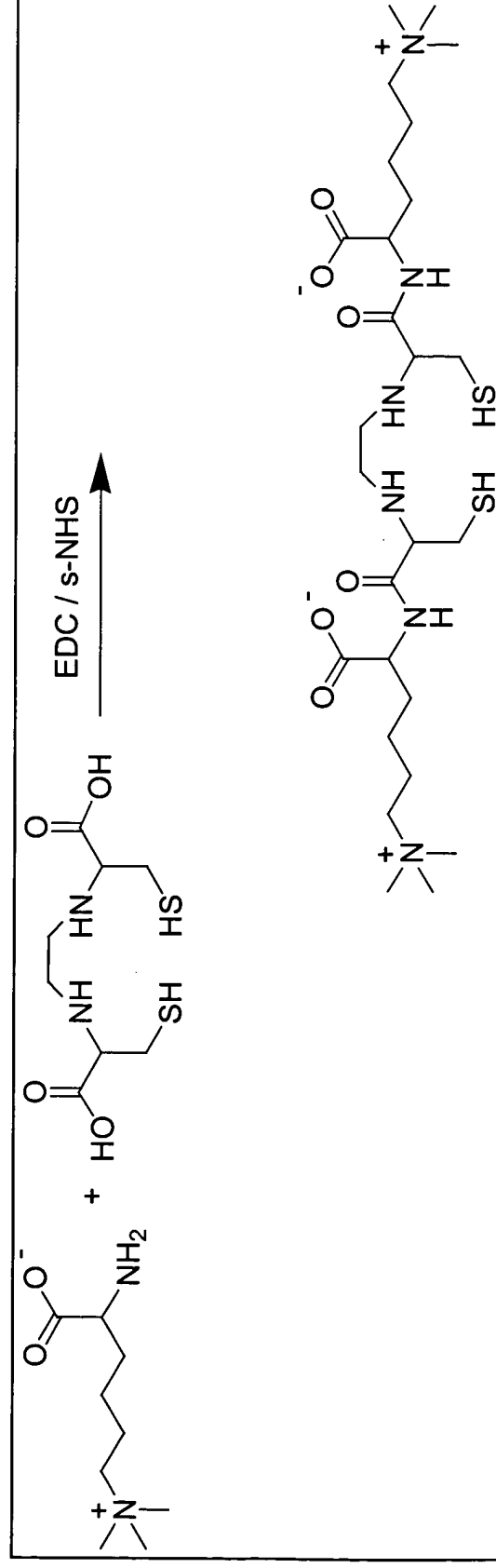


FIG. 33

Mass Spectrum of EC-TML

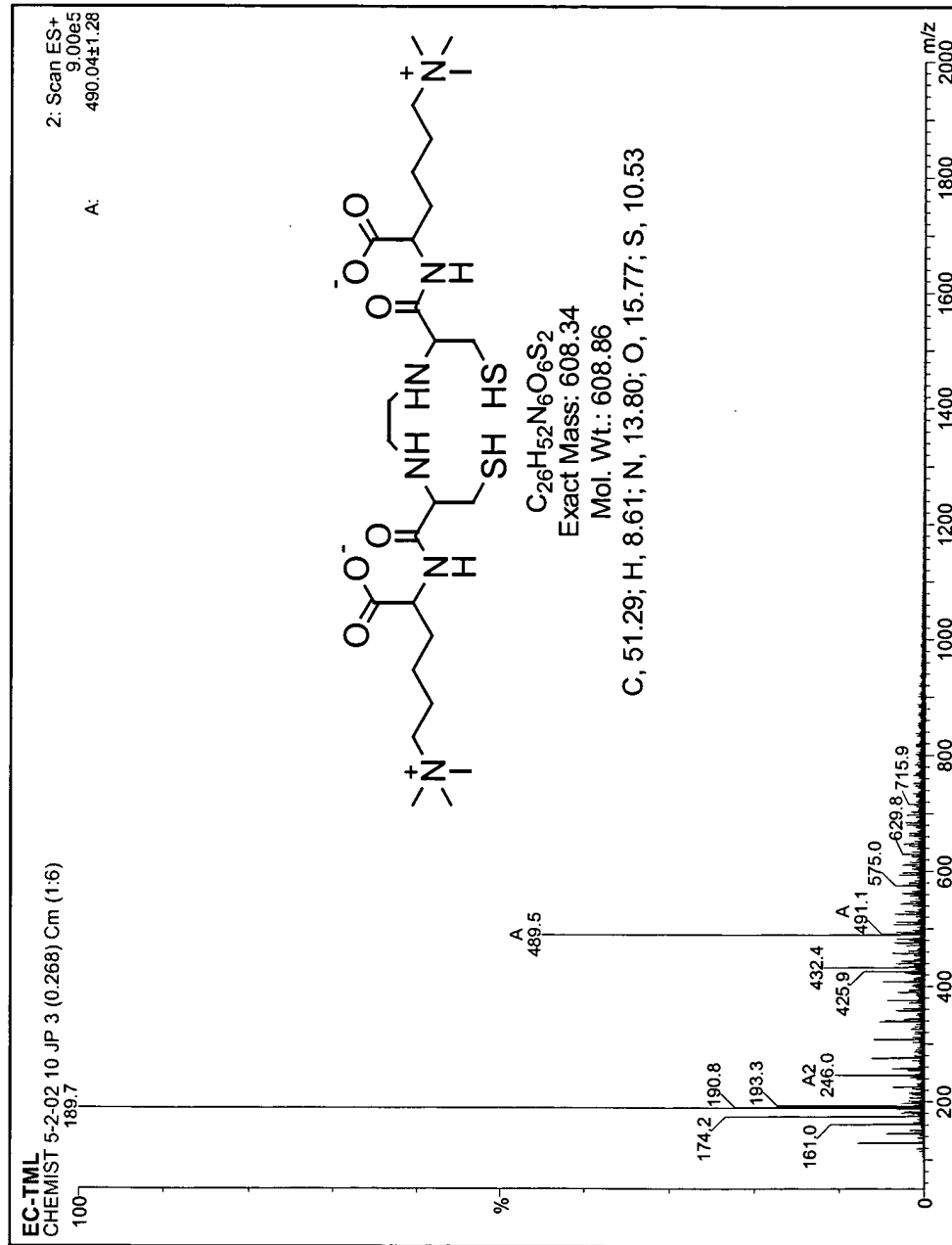


FIG. 34

Heart-to-Muscle & Tumor-to-Muscle Ratios Of ^{99m}Tc -EC-TML In Breast Tumor-Bearing Rats

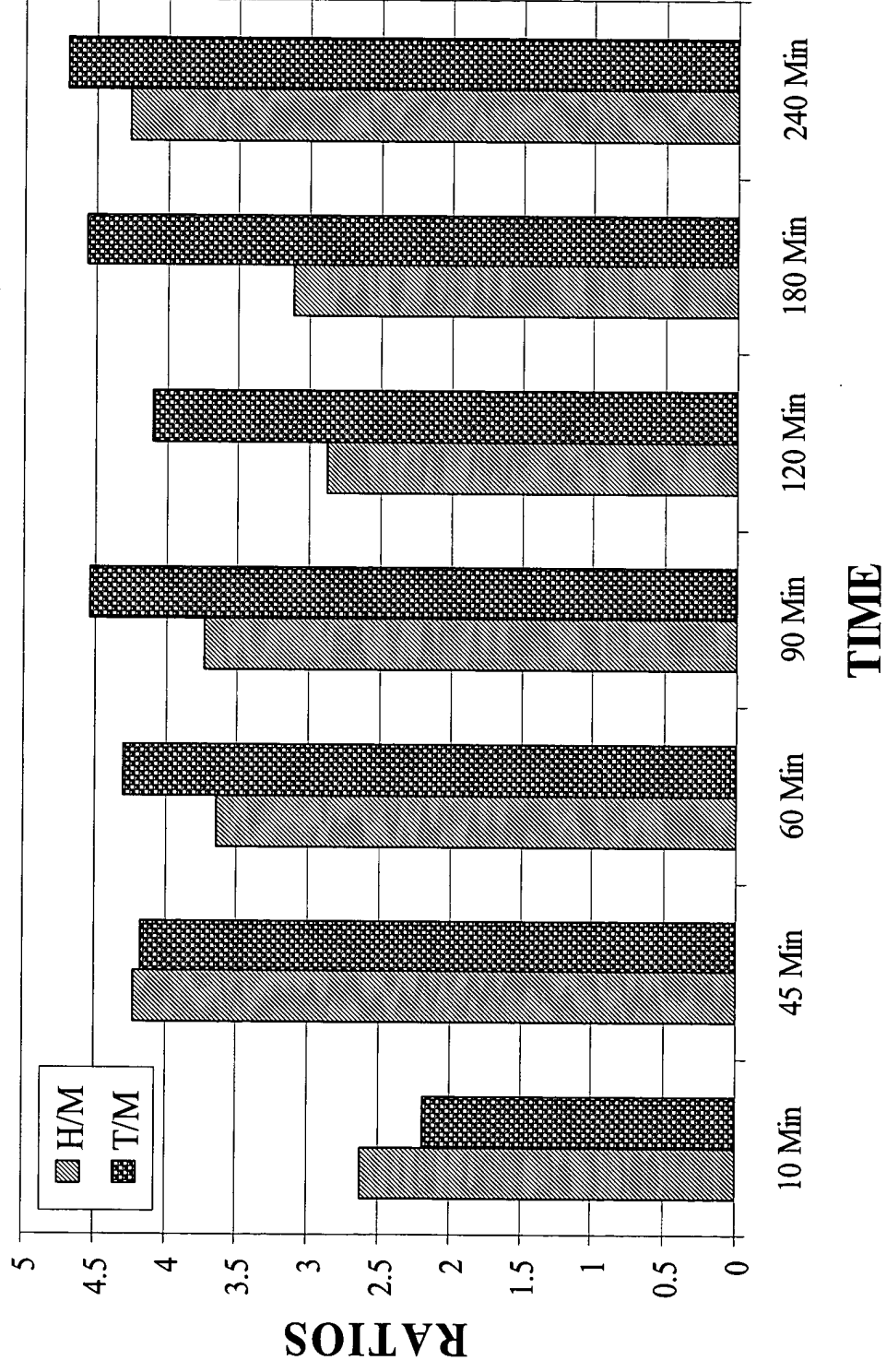


FIG. 35

Scintigraphic Images of ^{99m}Tc -EC-TML

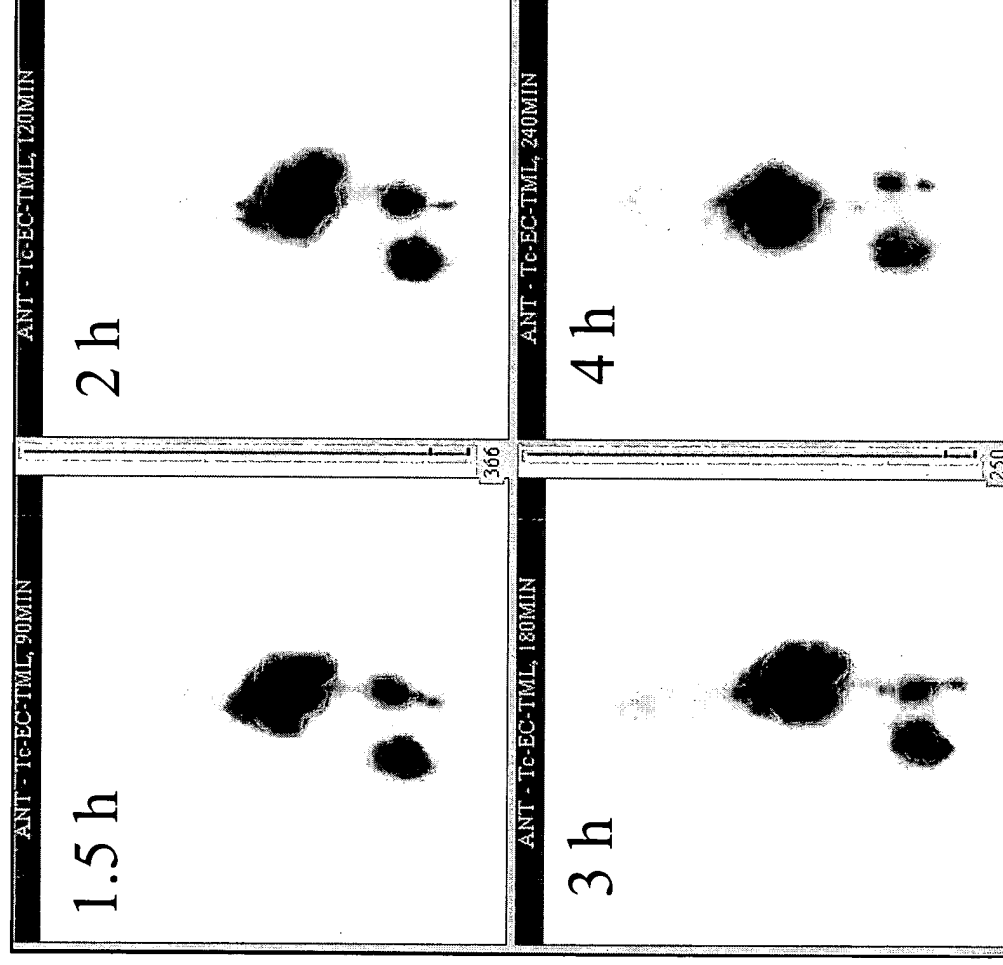


FIG. 36

Synthesis of EC-Pyridoxal

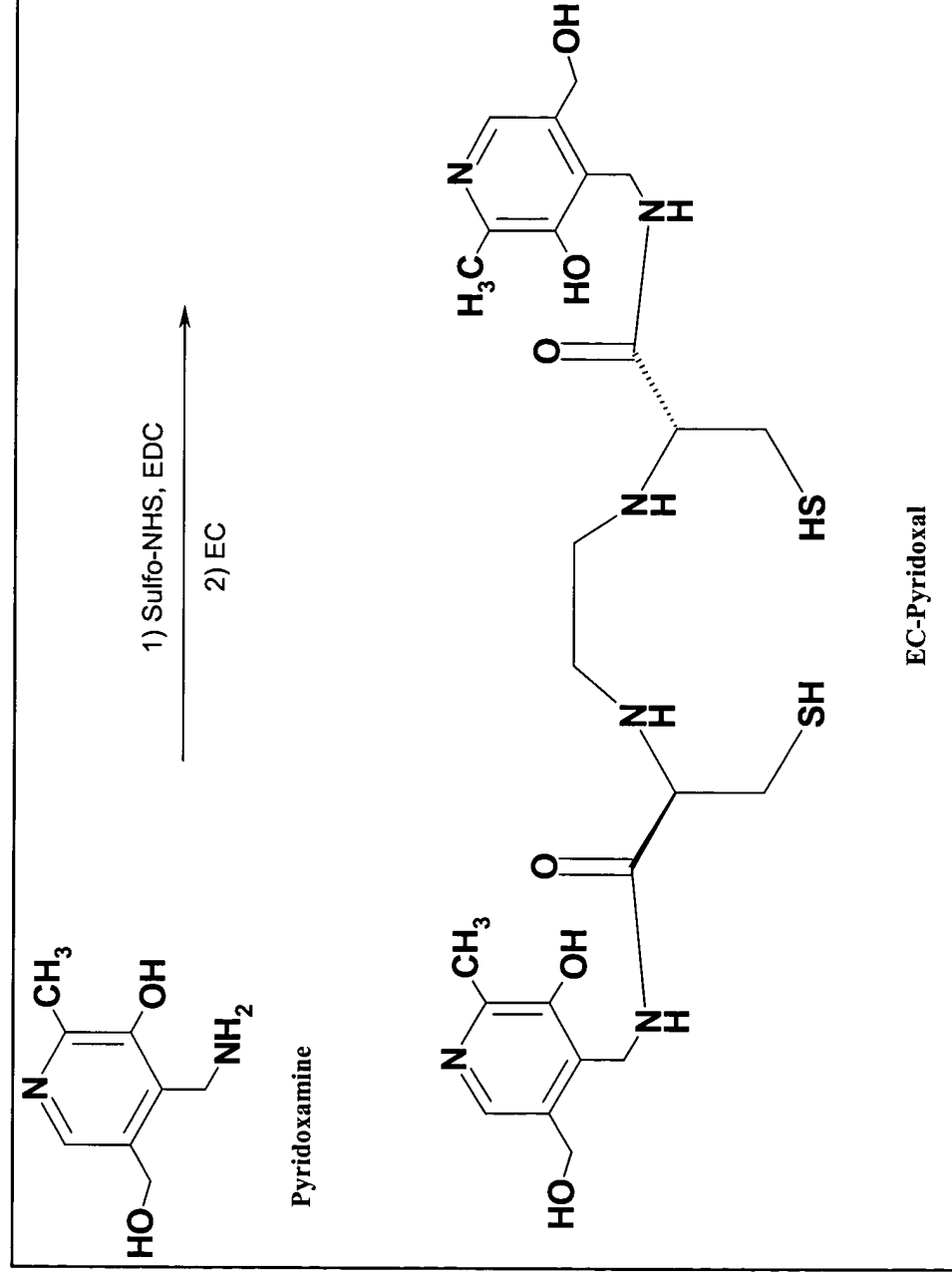


FIG. 37

Synthesis of ^{99m}Tc -Fullerene-EC-Drug Conjugates

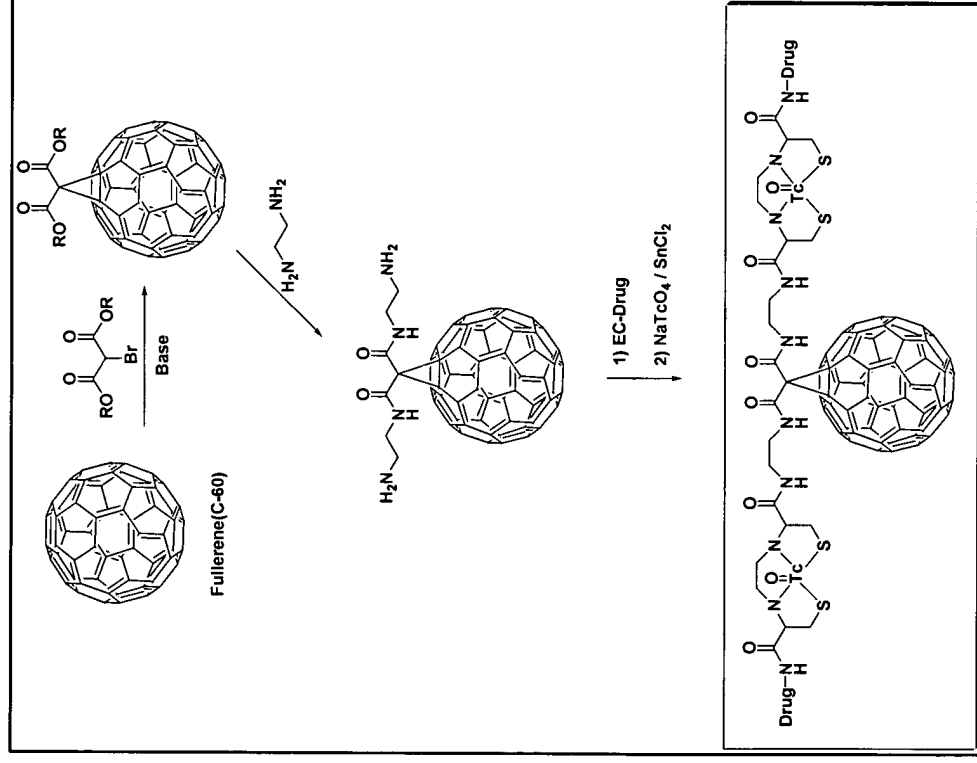


FIG. 38

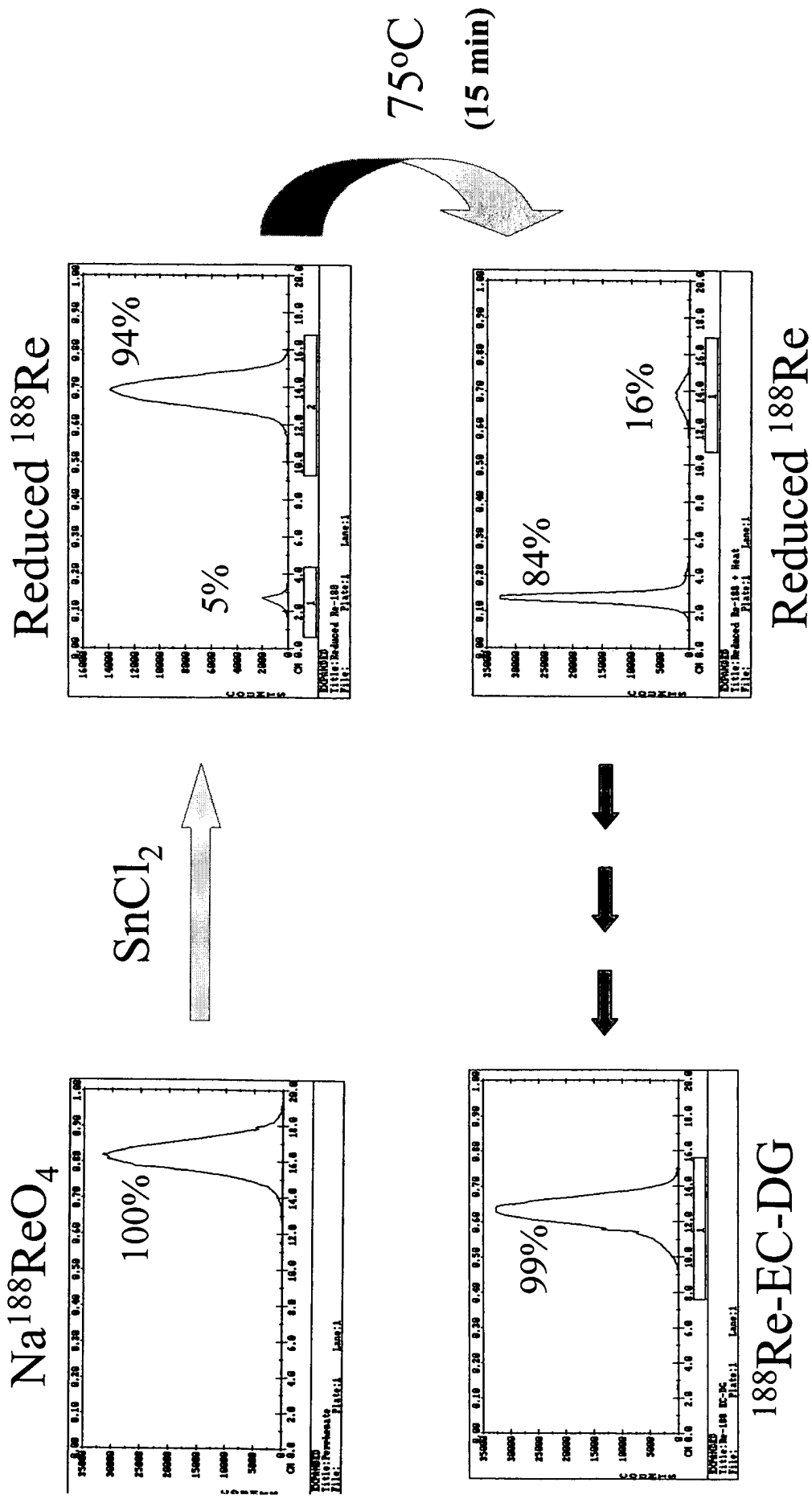
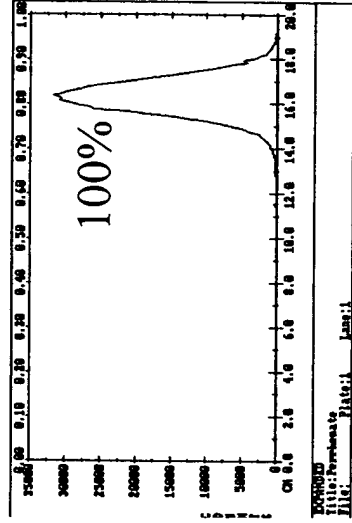


FIG. 39

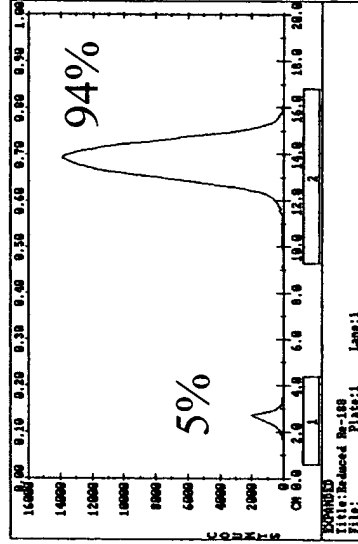
$\text{Na}^{188}\text{ReO}_4$



SnCl_2



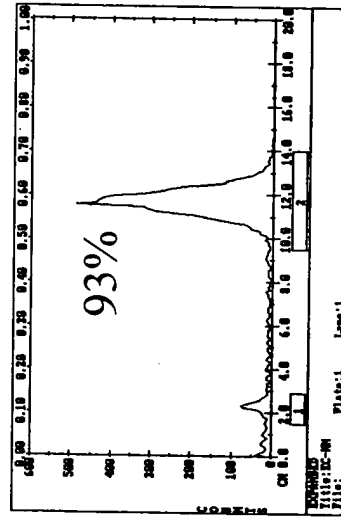
Reduced ^{188}Re



55°C
(30 min)



$^{188}\text{Re-EC-MN}$



Reduced ^{188}Re

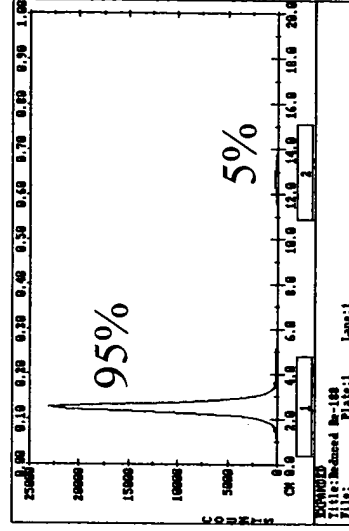


FIG. 40

**Cellular Uptake of EC-Guan
in Human Lung Tumor Cells (A549)
(4uCi each well)**

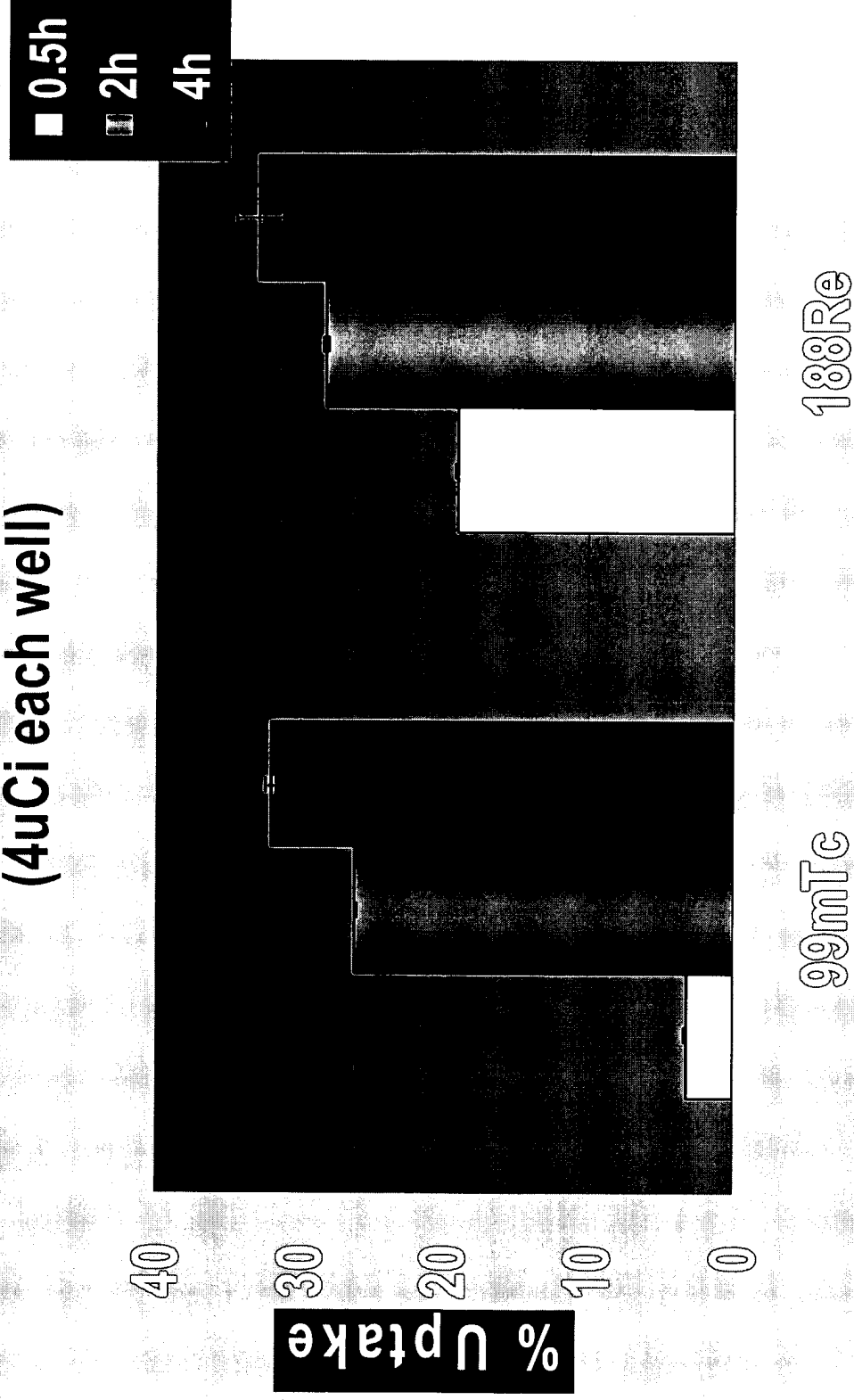


FIG. 41

Cellular Uptake in Breast Cancer Cells (RBA CRL-1747, 4 uCi/well)

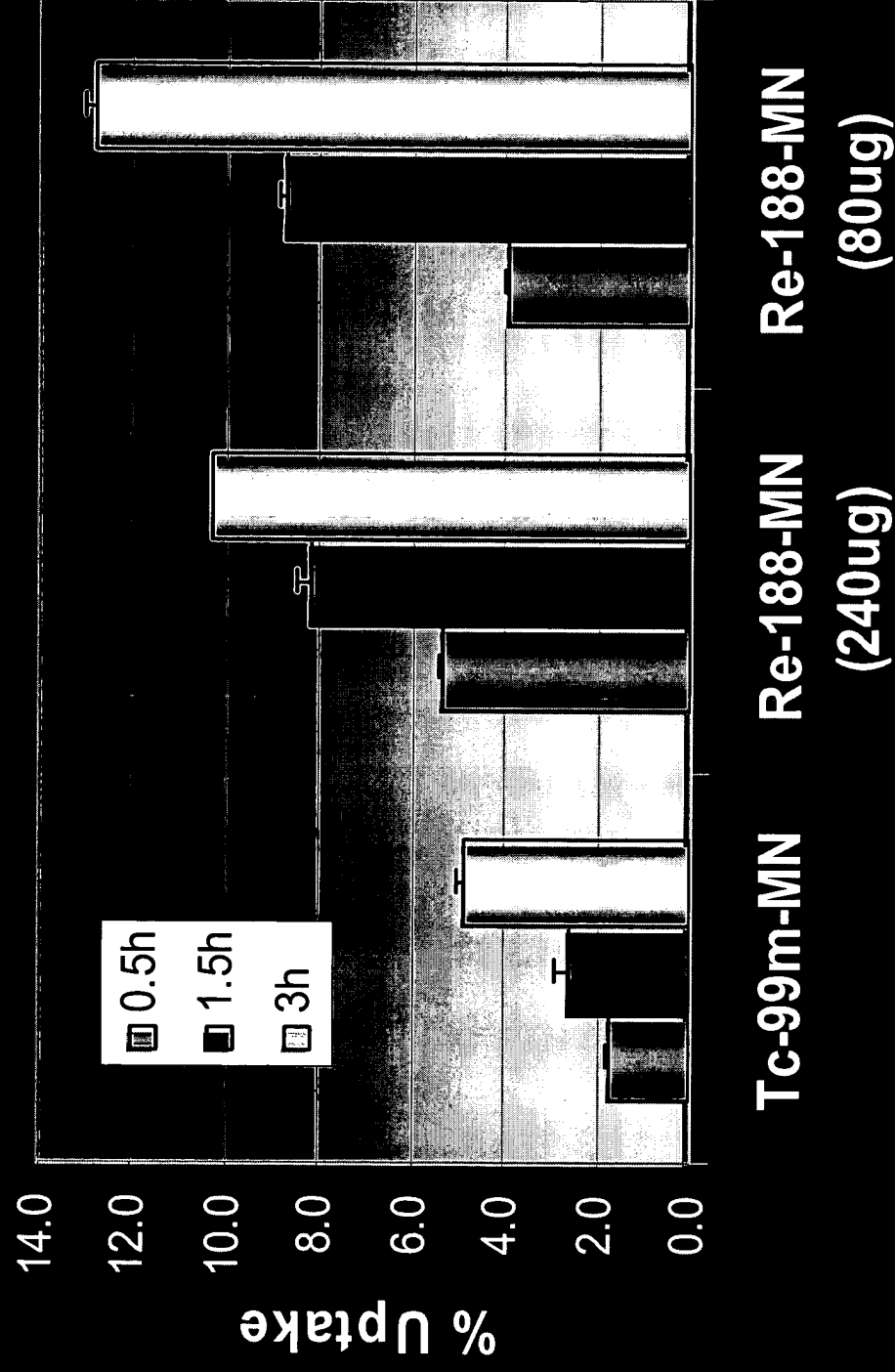


FIG. 42

Cellular Uptake Study of ^{99m}Tc -EC-DG Kit in 13762 Cell Line

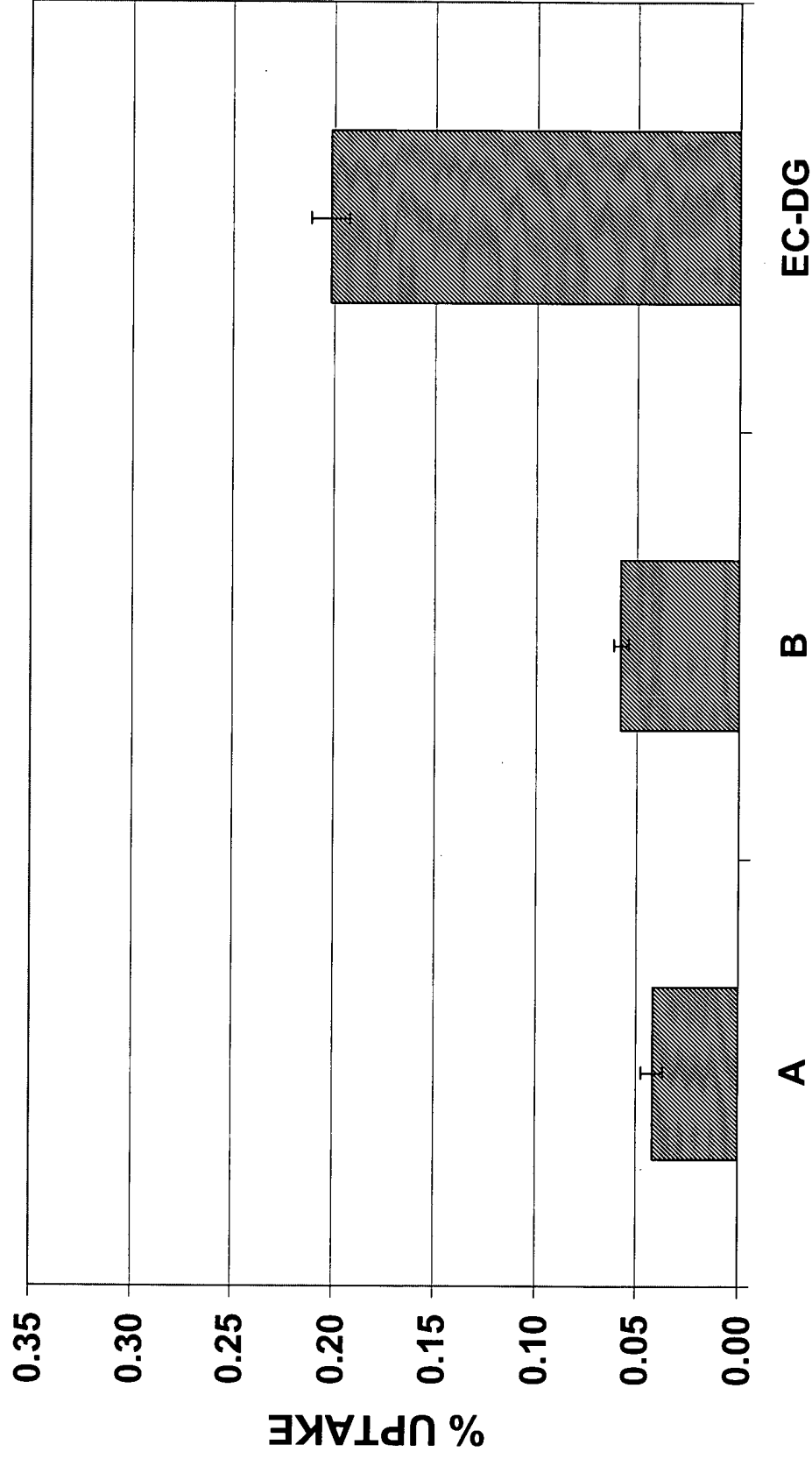


FIG. 43A

Cellular Uptake Study of ^{99m}Tc -EC-DG Kit in 13762 Cell Line

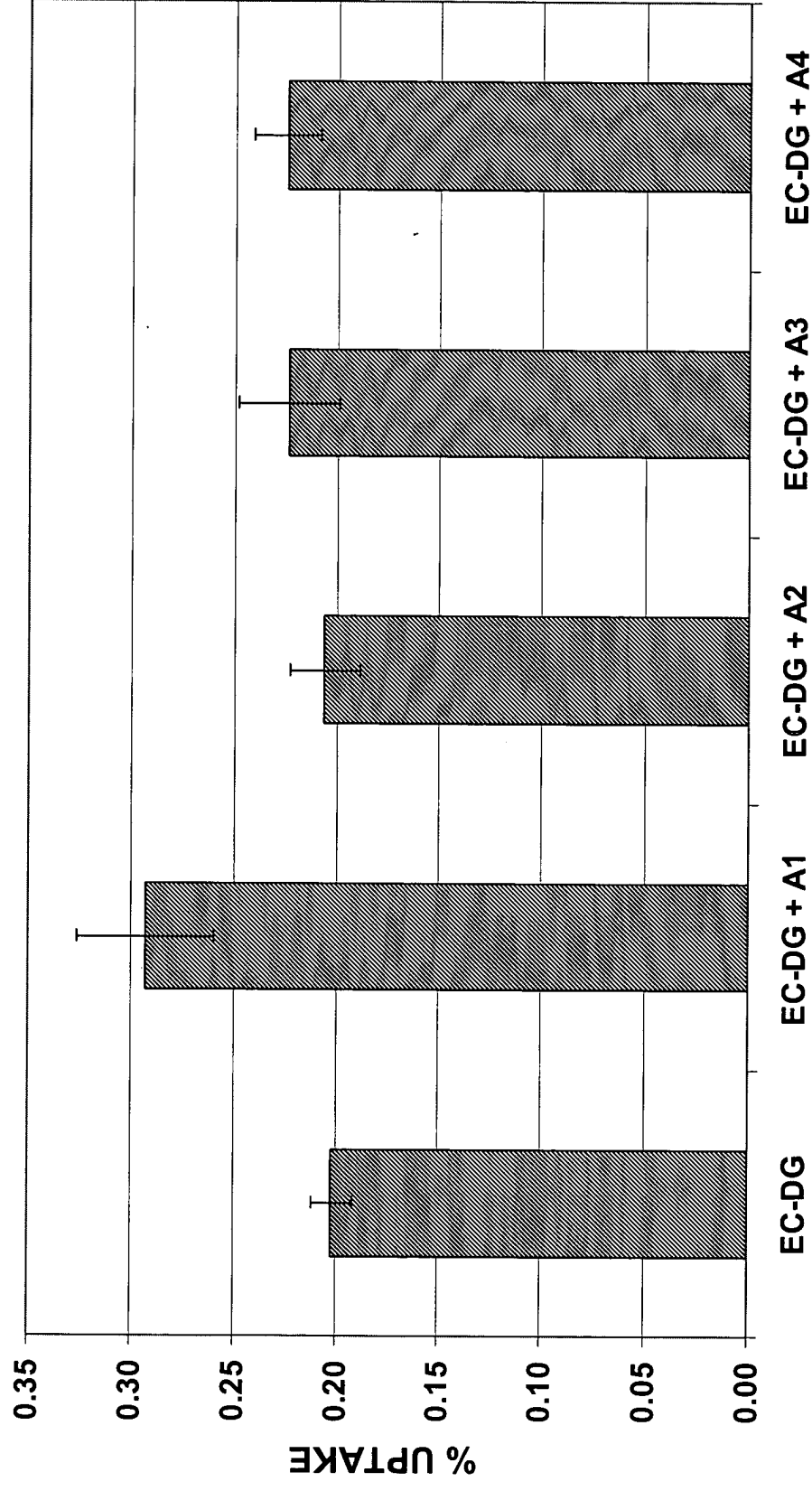


FIG. 43B

Cellular Uptake study of ^{99m}Tc -EC-DG Kit in 13762 Cell Line

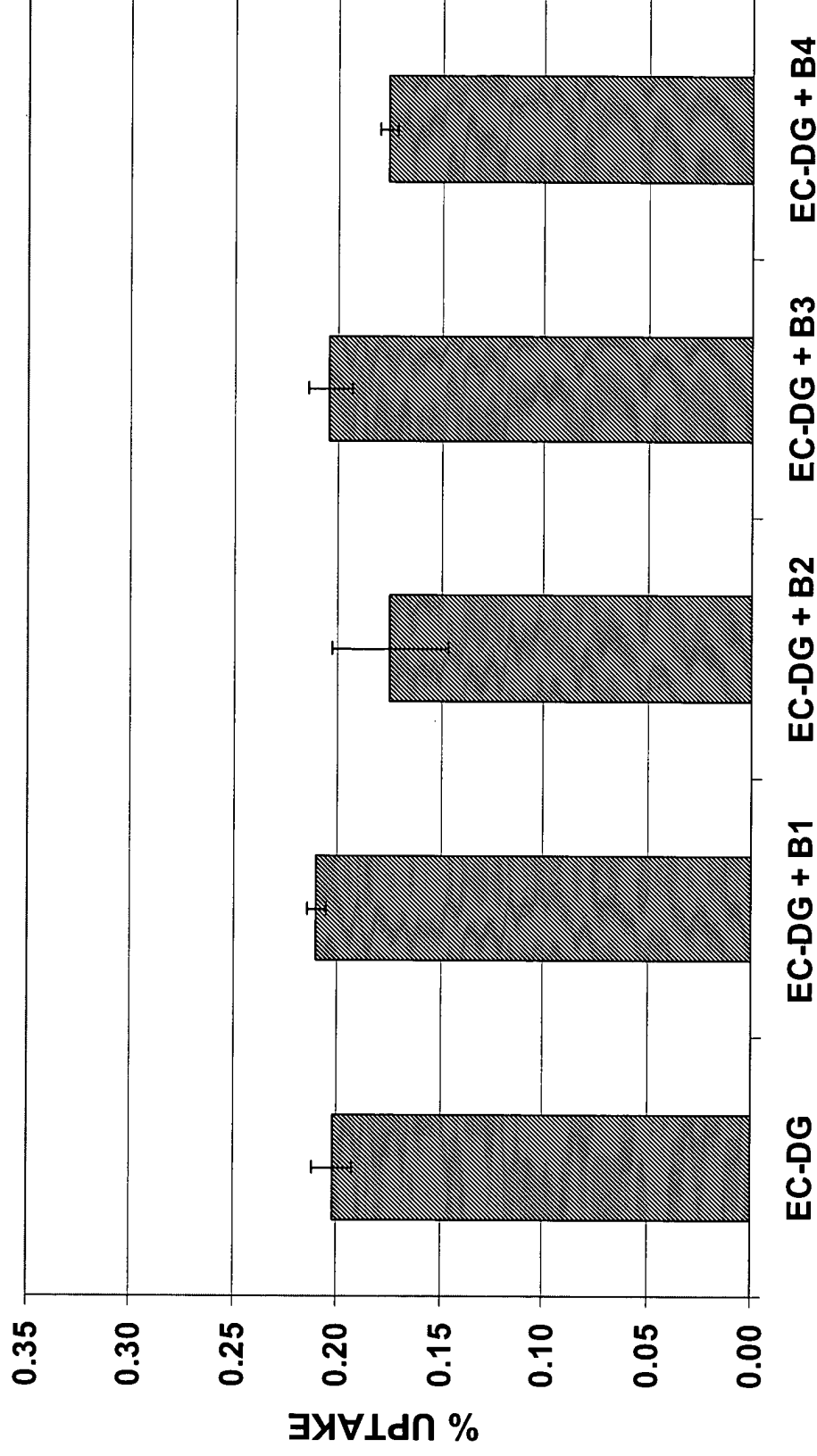


FIG. 43C